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<210> 13074
<211> 557
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220144b01a1

<400> 13074

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tataagatgt cttctggtgc cattttatgc attcttcttt catgctcact agctgtattt 180
tgcaatgtga gccaatacct ttgcatcggg cgcttttcag ctgtttcctt ccagggtttta 240
ggccacatga aaacagtatg tgttttgacg ctgggatggc tgctatattga ttcagagcta 300
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gctgtagagc ttgaaaagca gtcaaatgca aagaccttac ctcacgtgaa aaacagcatg 420
acggaagaag aaattagatc attgaagggt ggagtagaaa acagtcctct gaaggatggt 480
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gaattgcagg cattata 557

<210> 13075
<211> 585
<212> DNA
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<223> Clone ID: jC-gmf102220144b02a1

<400> 13075

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ggcggcgggc ggcggccggg agggactgtg aagggtgagt gttcctcaat gcagtcaaac 180
gggaaggcga agatgtggga ggaagagcaa cagcagcagc agcagcaaca acagcaacaa 240
caacaacagg ggatggacga gttgctggcg gcgttggggg acaagggtcg tgcttccgac 300
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gacggaattt cccacctggc ctccgacacc gttcattacg accctacaga tctctattcc 420
 tgggtccaaa gcatgttaac cgaactcaac cccgaaccca acaacaacct cgatccatct 480
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<210> 13076
 <211> 539
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220144b03a1

<400> 13076

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 agaccaatgt ggcaagagat ctccgaaac ttgttcaagc tgcgtatcat ttgatccctt 480
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<210> 13077
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 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220144b04a1

<400> 13077

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 ttcatggtgg agccagagga tttagtgtg ttctttggaa agtgaaaaga tatcaaaaag 420
 aagggtccaag tcccagcatt accttcagtt accatagtgc tgatggtgaa caaggattcc 480
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 ttatgaaagg aaaagcccta aac 563

<210> 13078
 <211> 547
 <212> DNA
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 <223> unsure at all n locations
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 aaaaatgaag aagcactgag gattgagcca cactttgctg agtggttacgg gaatatggca 180
 aatgcatgga aggagaaagg aaacattgac ctgcaattc gctactactt gattgccata 240
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 gttgatgcc atagcaactt gggtaattct atgaaagctc aaggcttggt gcaagaattc 420
 gatacagata tgaagttggt gtcttcaagc cagggtcag atgatggttg ctcttgttgt 480
 aacttccatc tccaagactg caaatagtca gaatctaaca ttntttgcag gcatacagtt 540
 gttacct 547

<210> 13079
 <211> 552
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
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<400> 13079

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 atgttagtga agcagacatt ggagatcttc aggcattcta taaggcttca aaagtgaggt 180
 ttgatagtga tcctgagttt aagttgaggg cacagcaggc agttgtccgc ctccagagtg 240
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 catatattcc tggggttctg gagaaactag ataatttagg actgattgaa gagagtgatg 420
 gcgcgcgtgt gatttatgtt gaggggtgtg acataccact tattgctgtg aaaagagatg 480
 gtggatacaa ctattttaca actgatctag catcactttt gtatnccgta aatgaagaaa 540
 aaactgagtg ga 552

<210> 13080

<211> 554

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmfl02220144b07a1

<400> 13080

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 agcaatattt gcccttagca gtaacaaaat tgctgtggtc aagtattctc tgttgggttc 120
 tattctttca aaccttcttc tggttcttgg gacctctcta ttatgtggtg gcattgcaaa 180
 ccttaaagtg gaacaaaaat atgacagaag acaagcagat gtgaactcac ttatgctggt 240
 gttgggattg ttgtgctact tgcttccaat gctgttcaaa tacagtgggtg cctcagctgc 300
 tctcactgta gaccttcac tccacttgtc aagagcttct agcattgtga tgttgattgc 360
 atatgtagtc tacattgtct ttcaactgtg gacacacagg cagttatttg aagccgaaaa 420
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 tacaattgag gatg 554

<210> 13081

<400> 13083

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aatacagggg gcacgcagat gccaatcaat ctctatctgg gtctggtaat ggcatgcta 180

tagtcacggc ctcttggat catacagctc aggatacagag gtcggaaggt ggtagtgagc 240

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atgaactcgg aggctagttg atactctaca taagttaaag agctgtcatc ttagggatc 420

taaacctttg ataattgattg tgatgttcaa cggctgagcg gacatttta ttgcagacaa 480

tcagatttat gagctagcac ggaagcaaaa aaagatgtct ataagacatg agttcctgct 540

tgtggaaccg tacaacatct gtgataacat tattgatgag gtccttgga cttgtgaaat 600

ttttga 606

<210> 13084

<211> 145

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmfl02220144b10d1

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cactgggggg ttttttttaa acgatttttc ctaaagacaa aagctcgaag attgcaaacc 120

tatgttgatc agatgatgct ccag 145

<210> 13085

<211> 633

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmfl02220144b11a1

<400> 13085

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aatgattggg gaccgtagac aactacctat ttggcctaaa cgccttatct ggtctggata 180
 tgaccatacg aggcattttt tcattttcat caacatgggt ttatatctgg tgtgtcattg 240
 atatatgtaa gaaatcttga cctgcatgtg cacttgcaca cacattaaat cttaggatct 300
 aagaaaccaa agtctggcta agtatataat gtagacagga aatccttaga atagaggtgc 360
 atactatccc agctttcttt cacaagcaga atgatggata tgttggtttg gaagtttacc 420
 ttcttgaact accttgtctg ctagegttct ctagtgtttt gattccgcac acatgggttg 480
 cttaaacatt gtttgcctc atttgattat tggtttcttg gatataagag atactaacna 540
 tgcaggttgt tgtaaccatt tggatcgtg caccttgagt gcttcttgga gcanaacatt 600
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<210> 13086
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 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220144b11d1
 <400> 13086

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 tttttttttt ttgggggttg gttacaaaaa caaaggggcc tttttttcat ttaataaaaa 180
 aaagccccct tttgaaaacc ttatgggata tcaacctttg ggtttcctgc ctttgaatct 240
 gcccagatc ttttaatactc actggcatgg ctgttggtgta ctcacgatat ccatttgttt 300
 caaggaactt aaccttttta tccctttatt cctttttatg gggttcattgg tgttccacca 360
 tacatttggc ttttttgcac taaaattcca gagaagaatg cccctttttt ttgtttggaa 420
 taaagtgagg ctttcaagtt ttgaaggga acccttccca aaaatgtccc gcaggagtgc 480
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<210> 13087
 <211> 511
 <212> DNA
 <213> Glycine max

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<223>      Clone ID: jC-gmfl02220144b12d1
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aaaggcctta ttctcatctt ggatgtacta ttttacaatg atttaatgga tagataactca	180
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atgatcaagc aattggaaga gattgaaccg gaatccacat tccatcttaa taatttgtat	300
aataattatc tttattaatg atttattaac tttgtttaaa agcctctcat ttttggacat	360
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cattgccaaa tacagaagcc tgtgtcgcac attaaaattt aatgttttcc atccattttt	480
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cg	542

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<211> 514
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<223> Clone ID: jC-gmfl02220144c01a1

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tttgttgctg ctcttgctgg gattctcttc tcaacccaac attgtgcttc ccaaaaagtt 180
ccaaactaca catttatgca caatgcaacg acagcaccag acgtatcata ctacgactac 240
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<210> 13090
<211> 560
<212> DNA
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<223> Clone ID: jC-gmfl02220144c02a1

<400> 13090

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gttgatatttg gaaaactcta tgcttaactt cttttatgca ttatatgatg atactttggg 360
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<223> Clone ID: jC-gmf102220144c05a1

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 cgatagcgtc gcagcaaccc tcaactcgctt cctgggtccc ctctccaag aagcagaact 240
 ctcatcgcaa cgtcaaaaagt tacacgcaga acctgcaact tctcgaagac ttgcgcttcg 300
 ccaccgccgc caccaaaatc aaggccactc ccgacggcga gtacatcatt gcttccggca 360
 tctatccgcc gcaagtcaaa gtctacgagg tcaggagct aggcctgaag ttcgaacgcc 420
 acttgattc cgagatcggt gattttcagg ttctgtcaga cgactattca aaacttgcatt 480
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<223> Clone ID: jC-gmf102220144c06a1

<400> 13094

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 cctttgagaa gttaattcga gggtaaagt taagaacatt ggatggctcg gaatacgtaa 240

ggaaggatc agagaactgt gtggcacata tgcaatctgt tgggacttac agtgatgagg 300
 agggaaaagc tattgaggaa tttagaaatg ctttcaagga tcaaaatttc ccaccaggct 360
 cactgtttt ctacaaacaa tcacccactg gaacattggg gcttagtttc tcgaaagatg 420
 agacaatacc agaacatgag catgcagtga tagacaacaa gccactttcg gaggcagtgc 480
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 gtttcatcag ttc 553

<210> 13095
 <211> 505
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220144c08a1
 <400> 13095

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 caatattcat ctgatcctct agcttcattc attcattcat tcatcttcgt tcagatcatg 120
 atctgtgcct tgcaccatgg aaaaattgaa ttagcttaat ttcactgaat ttatgcatga 180
 ttaacgggaa tctaattgtg attctttttt atggccagat ttcgtttgaa attttgtttg 240
 ttttattttg ttctgttttt ggtttgcttg attggcttta atttattgag atgtaaaaaa 300
 agtggtcaca aggaagaggc aattcagcta cgtgtacgga ggaattcatt cttggatatt 360
 tatgattaaa aataaatttt ggattttgta ctgctatgac agagatttgc atgttttagc 420
 atattaggat gtgtagcatt gatgcgttcc ctgtttggcg tcttttgtgc ttcgatgggc 480
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<210> 13096
 <211> 376
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220144c10d1
 <400> 13096

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 tctctcttc tgggcgatct ctcccaaaaa ttttcccatg acctagtatg aatatcattc 120

cccggatttg aattaagttt ttccacccta cccaaccccc atgctgttca acacgcgagt 180
 tgctaattgac atctttcttg catacccaca ccgttacgtt tcagaacaga cactgaaatg 240
 gctcacttgc actcaaaatg atcctattgt attaccgttc ataaacatct tggctgaaca 300
 gactgctttt gcgaaccgag catcgtgatc tactggaacg ggccgcaact gggccctga 360
 ttggagccac gcccat 376

<210> 13097
 <211> 630
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220144c11a1

<400> 13097

tgcnccccnn aatggtctga tctcctaattg cagaccanaa antnnntttn cnnnnnccnn 60
 nncennnnnn nnnnnnnnnn nnnnnnnnan nanacananaa nanannnatt tatttttttt 120
 ttncnattat catctcccta ttttgatttt tattttttatt ttttcatata ccaaaaagagt 180
 gaagttttct cactgaggttg atctttcccc aattcgtacc accttttttt ttcggttcat 240
 cgtttcattg gctctttttt tttttttttg ttggcttttt gagaaaggag aaccaaaca 300
 cttgcaagtg aagtctcttag ttaaaagaaa ttatttgggt caggaaaaaa aaagctaaaa 360
 atggggtcga agtggatgtg gttgatatta cactttgcat cggttttggt gtttgtttgg 420
 ggagatagaa caattttgaa ggtggaaggg cctatgttgt tggataattc acagagatat 480
 gaaggcagtt tcattagcaa agcagtgaac ttcttatggc aaccagnnga atcaggttat 540
 caacacgttt ggccagacat ggaatttggg tggcaaatta tcttgggtac cattgttggg 600
 ttctttggag cagcatttgg aagtgtaggt 630

<210> 13098
 <211> 614
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220144c11d1

<400> 13098

ggaaaaanaa tggctatctc ttatgcacnc nnnnnntnna tttnnnnnnc cnnnnccnnn 60
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nttntnttn nnnnnnnnnn 120
 nnnnnnnnnn nnnngggggn ngtttatgtt catattatac ctnttaacaa gagcccaggc 180
 acacacagag cacaagtgag tgtttgaaat agtgtccac aatttaacat ttttttcctt 240
 acagaaaacc cagataaata catagaagca tgtatgcatt gctttcaagt ccactgtttt 300
 ttacgggaat ccaagcatat ctttaagtcaa ttttggcgac ctaggttctc ttggctcctt 360
 tattgggaac ttgagacaaa acaaagcata aaataattta gtgaaatggg ctatgaatca 420
 tatgtgcaga ggtcatcaaa tcccatatac tcgtgatttt caatcttttt gaccattgct 480
 acaatgccaa ctccacctag tgagactgcy ctgacaagta ttgtgaaggc tagaaciaag 540
 atgattagag atgctctcgc aagcacatcg atcagctttc tcacaatatg ctgccctaca 600
 attgctgaaa tagc 614

<210> 13099
 <211> 523
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220144c12a1
 <400> 13099

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 tgcattatta ctgttagcga cgggtgagcga tgtagtgtcg gagcagacat cggatagaag 120
 ttttgggatg agaaacttca agtccgtaaa cactatcaaa gcagcgggtg agaaagaatg 180
 ccccttcaca gtgtcatgcy ctgacattgt tgctctttct gccagagatg ccattgcttt 240
 gttgggagga ccaagcattg aatgaagaca gggagaaagg acagcacaga aagctatgca 300
 atggaggtgg aagacttgat tccaaaccac aatgattgca tgcctcagc gctgtctcgt 360
 tttcaagcca ttgtcattga cgttgaagcc acagtcgctc ttttaggagc tcactcagt 420
 ggaagagttc actgcaagaa tctggtgcac agattatacc ccaccataga ttcaacactg 480
 gaccctgcac atgctgagta cctaagacgt ccgtgcccac cac 523

<210> 13100
 <211> 514

<212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220144c12d1

 <400> 13100

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gggggagtn cttataaacc tttaatatga ctgaggcttt gtaagctgaa gtcaagtaac 180
attcacatct atgaacaacg ccaacctcaa gggtttttat atacgatagg cccaatagct 240
ttctgcactg aatatgtatg gttaccaag cccaattcgt ttcacacct ctttattttg 300
acacactcct gcattataat cttatgctaa ttatacatat tattatgcac aactgcacgc 360
ttatctcata tatctaattg gcattgaggt ggctacaatc ctttctgatt tgccttcat 420
ctactgcaa aggatgtgac tccgataaca aaataacggc ccttgagaac tgctggttga 480
aatattcatt gtcattgcgc catcttttgg acat 514
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<210> 13101
 <211> 594
 <212> DNA
 <213> Glycine max

 <223> Clone ID: jC-gmf102220144d01a1

 <400> 13101

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gtttgcttat gtatttatca tgttctttcc atattaatat atgcaggttg atatttgtac 60
ctcattacca attgtcaata ataagtgcta tgcattatca aatgtcagat gtttaccxaa 120
actctgttac atactgtgca tttgtgttta atattttaaa gttctctctc tcttccctgt 180
tatcttgtct agagtgaat aatggaattt tgatttattt gaagaaaagg aaagaaaggg 240
ggctatgagt aagtaacaaa tagttaattt accgagtttc aacagggtga ccttttgggt 300
catacaaatg aagtaaagct gaaggactgg cagagaacta aaattgaaat gatgcaaaaa 360
gctaaagcta ataaggaatt tgaggcaaaa gaatcacatg gggatcctca aatatcttca 420
agggggagtt cacctgattc ctcaattggg acaaaaagta gtggactgga aatagactca 480
aaccagaata agtcaattat ggatcacggg tttgaaattt attctagtgc tgaaagtaat 540
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aatgacgctc atgatgaatg ctgttgcac

389

<210> 13104
<211> 480
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220144d05a1

<400> 13104

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ccatcgtttag catcaaggcc cgccagatct tcgacagtcg tggcaatcca actgtcgagg 120
tggatttgac ttgctccgat ggtacttttg ccagagctgc tgttccaagt ggtgcatgca 180
ctgggattta tgaggccctt gaattgagag atggaggatc tgactacctt ggaaaggggtg 240
tgtcagaggc tgttgacaat gtgaacaccg tcattggccc tgctttgatc ggcaaggacc 300
caactgagca gactgctatt gacaacttaa tgggtcaaca gcttgatgga actgctaacg 360
aatgggggttg gtgcaagcat aagctaggag cacatgccat attggcagtg tctcttgag 420
tctgcaaagc tgggtgctagc gtcctgaaaa ttcctctata caagcatatt gctgatatcg 480

<210> 13105
<211> 344
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220144d06a1

<400> 13105

atttccttgg cggtgcaagg gtgtttgttt tgaacataca agaataattg gccatggcta 60
ccgtaattag cgtctatgtg gaacacatgg tcgtgtgatc actcgctgcc actgggaagg 120
gggagagggc ttgctacttg gtccactccc tcagactctt acagagatat catcacatgc 180
ccctttgtga atgtagccct aggggtcaaaa gatagaacat cggacggccg tgaatacggc 240
gggtaggtat ctgagaactg tgtggcccat atgctatccg ctgggactta cagcgatgac 300
gcggctgaag ctactgaggt agtcagctat gcggtccagg atca 344

<210> 13106
<211> 583

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<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmf102220144d07a1

<400>      13106

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gattttccat tatttggtacc aatgggggta ttggagtgcc ccagttaaac ctatactgaa      120
gaagtatctg agatttcggtt ttctgggcta ctttctgaat taactaagct ttctgacacc      180
aaatagatga agtagtttgt tgattctaag attgttctat ggatttaaaa tatttcatct      240
tctgtgaaa caatactact actactacta ctactaatct tgcgatttat gtgtgtatct      300
tagattcttt ttacataagt gtgcataaat atcttactat cttctctata tttcattcat      360
gttttttttaa tccgcatttc tttcaattca agattccagt atggatagtt tttgttcctc      420
tctagcagag gtgttctccc caagagtttt taaaaacaat ttctataagc cagaaaactc      480
tattaaaaca aaacaatatt aaagggtgtcg tttcgctagt tcattcatat ttcaaggttc      540
ttccccgtct tttttattct tatgtaaata aaaatcaaac tta      583

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<210>	13107
<211>	530
<212>	DNA
<213>	Glycine max

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ctgttgacca	gaaaaaccc	agccaccgtt	ctccgcaacg	acgcgaagcc	cataatcgga	120
gctggcatag	ctgcagctac	tcattctcgt	gggttgcacg	tgtacacgct	ccccgatctg	180
gattacgact	atggcgctct	ggagccagcc	atcagcggcg	aaatcatgca	gctgcaccac	240
cagaagcacc	accagactta	catcaccaac	ttcaacaagg	ccctcgagca	gctccaagac	300
gccgtcgcca	agaaagattc	ctccgccgtc	gttaagctcc	agggcgccat	caagttcaac	360
ggcggaggtc	acgtcaacca	ttctattttc	tggaaaaatc	tagctcctgt	tcgtgaagga	420
ggtggtgaac	cacccaaggg	ttcactggga	tgggccattg	acacacattt	tggctctttt	480

gaagcattag tacanaaagt taatgcagaa ggtgctgcac tacaggggtc

530

<210> 13108
<211> 703
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmf102220144d10a1

<400> 13108

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cengggannn ggggggagcg cnnctcaann ctcatattcc aatggcaaata cctcaaacia 120
acaataaccg ccaccagccc agccgcctgc agcgccgcgc cccctcctcc ctgcaaataa 180
accgcgcgt cgagtgaac gtcgccatcc cctcctctt cccggctcgc atcctctccg 240
ccgccgatgg agctaaaacc gccgcaagag ccgccgcagc gggaggcgga gaaggtcacc 300
gtgtcgttca agaagtggca gcaccccgcc gcacctttct gttacgagcc cgctcccatg 360
gtgcctccct tcgttcccggt gtagatatac aaaccaaaga aaaagaagaa gatgaaggaa 420
cagagagagt tttaggatgc tgctatctaa tggttcatat tactatttag atagaatgaa 480
gaaagatcta acgctgtatt tttaattaat tattattggg cctttttttt tgggtggggag 540
aaggcntgcc ttgctttgca cacggggatt accatgttca tgccctcattc attcatgtga 600
tatgaatgaa cattacaccc cctctgngnt ntnttctctc tctctttttt agcctttccc 660
cgtttttttt tatgcctttc atnttggggc taaataaact act 703

<210> 13109
<211> 434
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220144d10d1

<400> 13109

ggggcgga aaataaaaaa aaatttcccc tggggggcag ggggggattt tggccccca 60
actgaagggg cacaataaaa acggggggca ttttccgaca ccgaggcaaa caaaaccccc 120
ccgggggggg gcgctccttt cttcttcccc cccggtaagg gggcgctcc cttttttccc 180
ccggggggga acaaagggga gacccccccc ccccccaaag aagggggccc gctttttgtt 240

tctgaaatcc cccgggtgat tcttcttttt ttctctaaag aggggggggc cccccctgat 300
 accgcgcccc ccaaaaccgt tccggggccc tagtttggtt tttttttttg gggggggccc 360
 tctcccgcac cccggggggg gccccgggg cgggcctcca caccaaagag gggggggggg 420
 ggggtgcctt tttt 434

<210> 13110
 <211> 517
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220144d11a1

<400> 13110

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 nnnnaaatag ntcnaggggg ngctgaaact gcagaagcgg ctggtcgcat gcgtgctcaa 120
 gtgtggcaga ggaaaggtgt ggcttgaccc caatgaagtc aacgaaatct ccatggccaa 180
 ttctcgcaa aacatcagga agttggttaa ggatgggttt atcatcagga agccaaccaa 240
 gattcactca cgctcgcgtg ctcgtaggat gaaggaggca aagaagaagg gccggcactc 300
 tggttatggt aagagaaagg gtacaaggga ggcgaggctt cccaccaaga tactttggat 360
 gagaaggatn gcgtgtgctc aggcggttgc ttcgtaagta cagggaatca aagaaaattg 420
 acaagcacat gtaccatgat atgtacatga aggtgaaagg tnaatgtttt caagaacaag 480
 agagtcttga tggagagcat tcacaagtcc aaggctg 517

<210> 13111
 <211> 542
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220144d11d1

<400> 13111

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 ccactagaag gagggcgccc ggganaaana aaaaaaanaa aaattttttt tttantattn 120
 ccgcaaccag atgaatgggg ggggcaaatt cagtaaacc caccaacaa aatatataat 180

ttaaaatgatg caagatatga agtttttata catccaaaac ttaccaaggt ctaaaaccaa 240
 caaaaagaga ttcgtcacaa ctacttttagc agactaaaga ttttgccaga gctatttaaag 300
 actccacgtc cttggaattc caggatatgc tactcacttt ttgaatttct ttggcgcttg 360
 ggtaaactgg ggtgctgggg cacctggggc actgggggca aaaaatgtct tgtcaatagg 420
 accttgggct aagcgctcct ccctccgagc aagattgctt tccctgctag ccttgttctt 480
 tgcacgctta gcctcaaact gatcagacaa agtcttcttt cttgccttct cagccttgga 540
 ct 542

<210> 13112
 <211> 131
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220144d12a1
 <400> 13112

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 gtgtggtgag tctccttggc agtggaggaa aaatccatgg accattcacc gacacacatc 120
 aagacattgg a 131

<210> 13113
 <211> 588
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220144e01a1

<400> 13113
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 ccgaactgcg gtgtagtgtt tgttggtgtc ttgagcatgg cgacgcaact gagcgatgcg 120
 gaactcataa ccagcttgca agccagggtc aaggaattag aaactgagaa tgcaaagtta 180
 ttgtcccaac ttgctgattg ccgcagtcac gagatggaga aaaaagtata tgtccctgat 240
 gagagaggcg ggaaatcaaa aaaaggcaac aggaaatctg aagagaagat agagaaaatg 300
 ccaggctata acacaagggtt tatgagtcac catagcagga gatatgtagc tttaaaagtc 360

atgtactttg gaaaaagggtt ttatgggtttt gcttcagagg cacaaatgga accaactgtt 420
gagtctgaac tttttaagc ttttgagaaa acaaggctat tggttggcaa taagaaggaa 480
tcacagtatt caagatgtgg tagaacagac aaggnggttt cctctgttgg acaagtgata 540
gctcttttnc taagatcaaa cctcaagata tctgaaacaa ataatgga 588

<210> 13114
<211> 515
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmf102220144e02a1
<400> 13114

cttcaaaaga ttgcagcatt ggaagcactt aagagaatga gtctgcagat ggagaggaag 60
aagcctgagg agaagacctt gagtagtttt ggacacactg cgaggtacag aagatacacc 120
attgaggaaa tagaagaggc aacaaacatg ttctcggagt ctctcaagat cggggaagga 180
gggtatgggc cagtatacag gtgcgaacta gattgcaccc aggttgcaat aaaggtgtta 240
aagccagatg cagcacatgg gagagagcag ttccagcagg aggtggaagt gctgagttgc 300
ataaggcatc caaacatggt tcttctgctg ggtgcgtgtc cagagtatgg gtgtctggtg 360
tacgagtaca tggccaatgg aagcttggac gactgtctgt tcccaagagg aaaatcacgg 420
ccacctctcc catggcagct gaggttccaa atcgtctcag agatagccac aggtctcctt 480
ttccttcac agactaaacc ggagccactg gtcca 515

<210> 13115
<211> 539
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<223> Clone ID: jC-gmf102220144e03a1
<400> 13115

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ggatgcccac cagatgtatt ctgcattggc aaccgaacca aggaagcgtt gtgaacagcc 120
aagtcctgaa tgagatctcg cagtgcgtcg aaagccttaa cggcgtcaaa gaaggaagat 180
gcaaagcctc cctcactttc tacagacca atttacgaga ccaatcgggtg accatcgatt 240

ttcctcgga ttttctgggg atatcgatgc tggagcagcc gaacaaatac tacttaatca 300
 ttgcgggcca gaagattgtt ctcgaggccg attcttctat cttgcttata atggagaaac 360
 tccagtecta caagtccaaa gtcgcccttc atttcagga gtgctgtata agttgggtga 420
 ctctcagatc aggggtgatta aagttgttcc cagtcaagcg gagagtctca gaggaattat 480
 gattgagatt gagtatctnc ctatctcgtc agttggaaaa tccaagcaaa ttttgggaag 539

<210> 13116
 <211> 515
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220144e04a1

<400> 13116

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 tcaggaacga aggtcgtgga ggcggagagg cggcgacacc agccccgact ccgtcatctt 120
 cactctcgaa tccaacttga gctctttctc ctccgctcc gccagcgctg accgctgctc 180
 cttcgctcc gacgcccacg accacgactc cttagcctct gaaatctcac tccatttggc 240
 agtgcaggat cacgacggcg atttcgctcg tagcgaaagc tggagcggtc aagatccgga 300
 tccgatctg aataaacgac aacaacaaca acaacaacga cacgcagata cagattcaga 360
 tgcagtacat gggaagcatc gccgaaatcg tttctctgga aaaagagaga aagcgaaagt 420
 tcataaggaa gaggacagtg atggtggtga cactgaggac ggaaatcaac acttagaata 480
 tgattcggcc agaaactctt tctctctggc tctca 515

<210> 13117
 <211> 566
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220144e05a1

<400> 13117

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 ttcacatact cctctgccat cttgcacaac aaaggtgaca accccattgt gtttgggacc 120

atgcagacct acctcaagga tgccaaggag agactcttgc tggctgcaga ggctgcagac 180
aacatgggaa tcccaatggg cttcaaactt gtcaggggtg cttatatgtc aagtgaaca 240
aaattggctg agtctttggg ctattcttcc ccaattcacg acaccatcga ggacacacac 300
aagtgttca atgactgctc ctctttcatg cttgagaagg ttgctaattg ccctgggtgga 360
cttgttcttg caactcataa tgttgagtca gggaaactgg ctgctgcaa agcacatgag 420
ctagggattg gaaaggtgaa ccacaagctt gaatttgac agctgcatgg aatgtcagag 480
gcactttcct ttggtttgag caatgcagga tttcaggtga gcaagtatat gccatttggg 540
ccagtggaga ctgttatgcc atatct 566

<210> 13118
<211> 528
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmf102220144e07a1
<400> 13118

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gaaggtgggt gggtttctat ggttgagggt tttggttgag gcgtgttgcc ttcacgcgt 120
tgttattctg tgtatgaggt caaacaacct attgatgcga actggtcagt gtttctctt 180
aaatggtttc atcttcttag gaagtatatt cgtcctaaac tcggttgta tccctgcatt 240
gtggtggata ttacctgacc aaagctcaca gtttgttct cataaactct gtgacttagg 300
tggcactttg aaattttatt ctttcgtacg tcttgactc attcagctct tttatgtgct 360
ttggttttac ccattatacg tgtttatcat agttcttagc acaatttggt acaacgacat 420
tgcaagtat gggatgctg caatgggaag atctaaattt actgtaaaga aaggctcaag 480
ccataacaac tcaccaactt tacaaaatgc tcatcatgta aaaggacc 528

<210> 13119
<211> 592
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<223> Clone ID: jC-gmf102220144e08a1
<400> 13119

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gaaggtgggt gggtttctat ggctggaggg tttggttgag gcggttgcc ttcacgcgt 120
tgttattctg tgtatgaggt caaacaacct attgatgcga actggtcagt gtttcctctt 180
aaatggtttc atcttcttag gaagtatatt cgtcctaaac tcggttgca tccctgcatt 240
gtggtggata ttacctgacc aaagtcaca gtttgttct cataaactct gtgacttagg 300
tggcactttg aaattttatt ctttcgtacg tcttgactc attcagctct tttatgtgct 360
ttggttttac ccattatacg tgttttagcat agttcttagc acaatttggt acaacgacat 420
tgcaagtat gggtagctg caatgggaag atctaagttt actgtagaga aaggctcaag 480
ccaaaacaac tcaccaactt tacaaaatgc tcatcatgta aaaggacat tctgcttggg 540
aggggtcatg attggaatag gacagcangt ctattcaata ctncctttga gt 592

<210> 13120
<211> 609
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<223> Clone ID: jC-gmf102220144e11a1
<400> 13120

agggcnnnna agggctgac cttattgcag accannnnnt nnnntgncnn nncnnnccc 60
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn gnnntttnat tgagcgtgtt 120
tnnttccaaa ccgactggg gaaatgacta aagaagaaga ctttaagctc cttaaaatcc 180
agacttgtgt tctcaaagtg aacattcact gtgatgggtg taagcagaaa gtgaagaaac 240
tccttcagag aattgaagggt gtttaccag ttcaaataga tgcagaacag cagaaagtaa 300
cggtttcagg ttgcgtggat tccgcaactt tgatcaagaa actggtcaga gctggtaaac 360
atgctgaact ttggtctcag aaaacaaatc agaaccaaaa gcagaagaac aacaatgcc 420
aggatgacaa gaacaaaggg caaaagcaag cactgggtcag gggacttgag gccttcaaaa 480
accagcagaa atttctgct tttagttctg aagaagatga atactactcc gaatatgatg 540
atgacgatga cgaggacgaa gatgaagaga tgcggnnttct gagggagaaa gccattcac 600
tncaaatgc 609

<210> 13121
<211> 613
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmf102220144e11d1

<400> 13121

gggcaccnaa aggagagagc ttagatggca gnnncctaa ataaattaac aggnaacana 60
cccnaaaaa nnnaaaaaaa anaaaannnn annnanaaaa aaaaaaaatt tttattttaa 120
aannnnnaaa aaaaaannaa aagggggggg gtatntttan acagtacact gatatgattc 180
actctaagcc tcacacatcc atccatccat ccatcactaa cacattcata tggccccacc 240
aaattacagt caaacactat actagcttgg taaatggtaa atagaacttt taagggtcaaa 300
ccaccatccg ttttttggtt ttttttttaa ataaaataaa aaacttttgg ctctacaacc 360
tatcattaca ttattgaaca actgctgcta gtattgacat cactgaacat gtgagctgca 420
gagtgatgat catcacctcc tgctgcaggg taaccaggca agccatacga ggagtaggag 480
taatgtgcag ggctgtagct actactgtgg ttgtagtaat agccagtgtt agggggaaca 540
aaaggtgacc tgtgatacat catctggggg tgctgctgca tcatggctng ccttgctctg 600
tgctgcatgt tca 613

<210> 13122
<211> 583
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmf102220144e12a1

<400> 13122

gctgattcca cagacacaca ccgctttact attatgcaag acccttctcg ccccgccct 60
cctcccttct accacaaaaa cggcggccag cctcctcccc cgcgcgctc cgccgccatc 120
gccaccggct acccctacgc ttgccacaa caatactaca acaccactta cctcctcct 180
cgctcctacg cctcccgctc cttcttccgc gctttcttcg ccaccatgat ctgcctcgcc 240
gtcgtcttcg gcgtcgtcct catcatcacc tggctcgtcc tccgcccctc cctcccccac 300

ttcacccctcc actccctctc cgtttccaac ctctccagca cctcccaatc cctctccgcc 360
 acgtggcacc tctccttcct cgtcgcgaac ggcaacaaga agatgaccgt ctctacaac 420
 gccctccgct cttccatctt ctaccgcaa aactacatct ncgagtctca gctcgtttcc 480
 ttcaggcagg acaccaggtc ccagaccaca ctcaatgcc aacctaccgg cgnccgcacc 540
 tacctngagc ccaaactgat cgacaatctc aacgccgaga gga 583

<210> 13123
 <211> 547
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220144e12d1

<400> 13123

tgggaaannt ttgacacact tacatgcatt ncncaaata aataaaaagg aacaaaccaa 60
 aaaaaaaaaa aaaaaaaaaa aaaannnaaa nannnaaaan natttatattt taaananaan 120
 aanaanaann nananggggg gggggnaaat aaaaaaaaaa aacaattgna aattttccac 180
 taacaaagtt tcaaattctc actgagtgc ctaaaaaggc aagccaacca atataagggt 240
 gctgataact atatacaatc atataaacta ccaacaaaat tccattgaaa cctaaaccaa 300
 atcgcataaa tataaacctg cgaaagcatc aattaactat atataataaa atcagaaaat 360
 taaatttccc cccattacca aacctagggt tttgaaaaac atcacctca gaaaattcac 420
 gtccacacct gacattcccg atctccgcc accaaatcac cggagctgga cttggacgaa 480
 acgccgacgg gtactttgcg gcacagaacc ttgagaacct tcgtctgaa cctccacgag 540
 ccggaac 547

<210> 13124
 <211> 577
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220144f01a1

<400> 13124

ggaaattgga agcaaacct aaggaatctt ggttgaacaa ggtgtccatg aaagtgacaa 60

[illegible]

ttttcctttc	ccttttgaag	gatgaatttc	ctgacgtacg	cctaaacatt	atcagcaagc	60
ttgatcaagt	gaatcaggtt	ataggaatcg	atctgttata	tcagtccttg	ttaccagcca	120
ttgttgagct	tgctgaggat	aggcattgga	gggtccggct	tgcaattata	gaatatatac	180
ccttattggc	aagtcaattg	ggggttaggt	tttttgatga	caaacttggt	gctctttgca	240
tgcagtggtt	acaggataag	gttcattcaa	ttcgcgaagc	agctgctaac	aacttgaaac	300
gccttgctga	agaatttga	cctgagtggg	ctatgcagca	cataattcct	cagggttttg	360
agatgaacaa	caatccacac	tatttgtatc	ggatgaccat	tcttcgtgct	atctctctgc	420
ttgctcctgt	gatgggccct	gaaatcactt	gttcaaactt	gttaccgggt	gttcttgctg	480
catctaaaga	cagagtggcc	aacataaagt	tcaatgtggc	aaaagtatta	gagtcctatc	540
tcccacatcg	tgatcagtcg					560

<223> Clone ID: jC-gmf102220144f04a1

tggtctcttc	tgtgtgccac	cccctctttt	attttttttt	tctttagctt	ttggagtttg	60
gagtctcttg	aaccatggct	aagaatagag	gagagttgag	gattcatgag	agtgtggatg	120
agctaaggac	tgatttgcca	gactatgttg	ctgagttatc	agaggcatct	gtgaaagagc	180
gaggagtctt	tgccattgct	ttatctggtg	gttctctcat	tggttaatg	gggtattttgt	240
atcttatctt	ttccatataa	tagtttcttt	gctttcatga	tttagtgttg	gtttaaaact	300
tctgattgca	aacagaaaac	tctgtgaagc	tccttataac	aagacagtgg	actgggccaa	360
gtggtatatc	ttctgggctg	acgagcacgt	tgtggcgaaa	aaccatgccg	atagcaatta	420
taagcttgct	aaagatggcc	ttttgtccaa	ggtgtaggat	aggggcacag	ggttatatac	480
catagaccac	ataagtttga	attctcaaaa	agatgctgtc	cataacttgt	ctttagtaga	540
ggaaaggatt	atgctgatac	ttga				564

<210> 13128
 <211> 569
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220144f05a1

<400> 13128

tacaattact actttctctc tctttgtttc ttgtaagcat ggagtcctca aagatctatg 60
 cttacctctt cctttgcatg ctcttctctc cctccgccac tcccattctc ggttggtggct 120
 actgtggcaa accccccaaa aagcacaagc ctggtaaaac accaaagaca cccacagtac 180
 ccgttggttaa gccaccagtc acaatccctc ccattgttaa gccaccagtc acaatccctc 240
 ccattgttaa tccaccagtc acaatccctc ccattgttaa tccaccagtc acaatccctc 300
 ccattgttaa tccaccagtg acagttccac ccgttggtgct tccaccaata gtgaagcccc 360
 cgggttttct cctccaatt cttaaaccac caagtacacc aacaccgtcg ccggggaagg 420
 gagggaacac tccatgtcca ccaccaaagt ctctgcaca ggctacatgc cccattgaca 480
 cgctcaaact aggtgcttgt gtggatcttc ttggtggctc ggttcacatt ggctggggag 540
 accctgttgc gaaccagtgc tgccccgtg 569

<210> 13129
 <211> 551
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220144f06a1

<400> 13129

ctcgcgattt cggaagggtc gtgtttcctt gcttcagttt cagcttcggc ttcgagaagc 60
 gtcgattggg tccttaagct gttccttctc tgtttctgac aaactgtata actcctatca 120
 aacatgagcg gtcgcttttc tcgcacaatt tatgtcggca acctgccctc tgatataaga 180
 gagtcagaaa ttgaagatct attctacaag tatggccgta taatggatat tgaattgaag 240
 gttcctcccc gccctccatg ttattgcttt gttgagtttg ataatgctcg agatgccgaa 300
 gatgcaattc ggggtcgaga tggatacaac tttgatgggt gtcggctaag agtggagctt 360
 gctcatgggtg gtagagggcc atcatcaagt gatcgacgtg gatatggagg aggaggtggt 420

tgcgtggctg gagccttaac catggcattg gtcaaaggac agaagctgtt acacacggag 300
 ttccttcctt ctatacatct caccggcagt caaggtgatg attggctgct gggttgccta 360
 ttgctcttag caagcagtgt tttttgggtca tggtggatga tctgcaggt accaatcact 420
 tcgtgctgcc cagaccattt attatcaacc ttttggatgt gtctgttttc aacaatacag 480
 gctgccctat ttgccctgct ttcagagtcg gatcttcaag catggatttt gcaatcacct 540
 ttacagattt catgttc 557

<210> 13132
 <211> 393
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220144f09a1
 <400> 13132

tggaggacca tctaaagtat ggagactatg ttaagaattt gtcattacaa ttcttgaacc 60
 agaacaattc cgtgcagggg aatattcctg attcaagcta tgaagcagga cttgaattgt 120
 cggttcaatc ttcaggtttg ggtaaccag aaatcgga tgaacctgc caaggagtgc 180
 cttaagatga caaggaggat gggctccttca ccaaccaaga atgctgctaa cttatcaatt 240
 acattatcaa agtttgtgcc ttataggacc gaaatagaat ggtacaaagc ttggtgtcac 300
 cagcaagttg atcaaattgg atactacgac ttattcaaga ggagaaggag cacttcaaaa 360
 atggctatga aagtcaacat gaatcgtcac aaa 393

<210> 13133
 <211> 569
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220144f09d1
 <400> 13133

gcaantactg tctgatgcgt angcacgcc aatnccgtg ggaggagcat accagncggn 60
 ggncccccct nntttntttt ttttttagaa caagccattt ttattctagg tattttgcaa 120
 acaaggagtt cgtaggggta ttacagatta cagagccaag cttatttatt gatttcattt 180

aaaattacta aggaattact tctccatcca aaaacggggt taaaaggggt gtgaaaacgt 240
 cttcaccttt gctatgagtt cctcagtc cctttaaactt tccatccata tactgtaact 300
 tgagttctta gcaagaacat cttcagacac ctcttatta tcaataagtt ccatagcata 360
 cttctcaaat ttctcaatgt tatcccacag cacagccaac ttgtgtgtgt cactctcact 420
 tctaactacta ttcagccagt cctttgcttc ctccaccctt gcccaaaagc atgaatcttg 480
 ggtcaaactt gcaaacttgc tctctctctc attattttct tcgggtgttg ccattgcatt 540
 cctccaccac ctatcaaaaa tctcatacc 569

<210> 13134
 <211> 444
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220144f10a1
 <400> 13134

gtgggtgtttc atttgtgaaa ctaacaacaa cacaaggcca tcatcatggc agctgcttcc 60
 ccaatggcaa gccaaactcaa gtccaccttc actaggactc ttgtagctcc caagggcctc 120
 tctgcctctt caccacttca cctcgggtgcc ttctagaagg caatttagct tcaactgttaa 180
 ggccatccaa tcagagaagc caacctatca agtgattcag ccaatcaacg gtgacccatt 240
 cattggaagc ctggaaaccc cagttacatc cagccctttg atcgcatggc acttgtccaa 300
 cctgcccgca tacagaaccg cagtgaagcc actactaaaa ggatcngagg tgggcctggc 360
 ccacggatac cttcttgtgg gccattcgt gaaggccggg cctcttagga acaccgagat 420
 cgccgtgcaa gcgggctctc tggc 444

<210> 13135
 <211> 391
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220144f10d1
 <400> 13135

tgacagagtt cgtagccatt cennntnnn tgtgaaannc cnnccnnnn nnnnnnnnnn 60

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nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn tttttntttt nnnnnnnnnn ntntnnnnnnn 120
ntnnnnngggg ggggtttttt ttttnntttt tttttttttt tttttttgtt tgttttgtnt 180
tttttggtga ttttaataaga aaaaattaaa aaaacctagt aagcacattc atcatttgat 240
gtaaaatgga aggcccaaaa cgtagaggag gaagtaggcc caaataacac ccgaaatgcc 300
tccaaagaaa aaacctccgg tgaacttggc ccacccatca ccagtttgca gctgatcggg 360
ctccttcttg cgcgccgtca aagtcagcga c 391

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<210>      13136
<211>      502
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<223>      Clone ID: jC-gmf102220144f11a1

<400>      13136

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ggcancaaaa gggatgatc tttanagcag accaanannt natttnnccn ncccnaancc 60
nnaaaaaaan ncngggnnaa attaacacac acacaccgcg ngttttcctt accatagcat 120
atagtactag tagattaaac gccaaagaaa taaattactc actttcacgt aaaccataac 180
gtgcttcac cgcaaccaac cacaatgggt gccgttggtc cataacggtg ttgtactag 240
tgttatttat ggccatgagc tccggcgtgc gctcgtgtcc gccgtcggac agggcggcgc 300
tgctggcatt caaggcggcg ctccacgaac cctacctggg aatcttcaac tcgtggaccg 360
gcgccgactg ctgccacaag tggtagggcg tgagctgcca ccaggagacc cgccgcgtcg 420
ccgacatcaa cctccgcggc gagtcggagg gagccgatct tcgagcgcgc ccaccgcacc 480
ggctacatga ccggctacat ct 502

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<210>      13137
<211>      526
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<223>      Clone ID: jC-gmf102220144f11d1

<400>      13137

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aggaccnaaa cggggtgatc cgtatggcac nncnccngaa tnaatttncc ggggacanag 60

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cccactaaan annagangnn cnnaanaatt tnttttatta aaacatttgt ttttatanat 120
 ttagcgtagc gnaggcccag ggatggagta ctacatttac tatatcacga tcgcgataac 180
 aaacaacaaa ttgatacatg aaacggaccg atgagttaac taagggtggg tccacactgg 240
 tctaactgca aatatacata tattttttcca agatatttga gtttgcattgt aatgggtgagc 300
 tagtagcaag gtttgagggg cttcccgcag agacaatcgt tntagacaaa ggaggaggct 360
 tcgagatgat caaaaggaga gccaaaggga atcttgccac agagatgggtt atgactcaaa 420
 tccaagtgcc caatatagga agcagaggat atggacttag gtatggcccc ttttaggtta 480
 ttatacgaca aatccagagc agtgaaataa gacctcacgc cgaacg 526

<210> 13138
 <211> 95
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220144f12a1
 <400> 13138

cttatcatct gacgagggct tttaaattgac tgttttaata cctaagaaag tttcaactat 60
 taaaatgtat ttcaattctca tctccatatt ttgggt 95

<210> 13139
 <211> 222
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220144f12d1
 <400> 13139

agcaccaaaa tgaagagctg catgcatnnc tctnttaaatt aaaaagaaca aaccanaaaa 60
 aaaaaaaaaa aannannaaa anaaaaaaaaa naattttttt tttanaanaa ntananaaaa 120
 aaaaagggggg ggggggttgta taaaaattaa atagggtgaac ctttcttagg ttttaaaaca 180
 gggatttaaa agccctcggt agattataag gttggggcca tt 222

<210> 13140
 <211> 583
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220144g01a1

<400> 13140

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gtggcattta cagattgccc aggtcctcag tctgaatctg ctggaaaatc cgatgcatgt   60
gaaggggtgcc cgaatcagca aatttgtgcc actgccccca aaggccctga ccctggtact   120
cttcatcttt atcttattat tttatgcttc ttcccagaaa ccatcaactt cttcaaaatg   180
gcattattta tctatgtgaa atatatgatt tgatatgttt taattacaac agtttagtat   240
ggaattattt tccttattac tcattattta gtttccttat tttgtaaacc tccttcatta   300
taaataagag tatttcatgt ggtctgatat gacaacacac aacagtaa atccttacg   360
atctatataa gcatgctgtg atgccacagc taatgattct agaatttggg actgtttctc   420
agtatgttgt gaccctagcg tgcctattta gtagacaatg ctagtagtat gatttctccc   480
cagctttgtt tatgtggttt gattagccca ggaagtgagc aaatcatttc cttcacagtc   540
aagatgtttg cagcactgca ttgagagcat tcttgactg ctc                       583
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<210> 13141

<211> 557

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220144g02a1

<400> 13141

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gtggcattta cagattgccc aggtcctctg tctgaatctg ctggaaaatc cgatgcatgt   60
gaaggggtgcc cgaatcagca aatttgtgcc actgccccca aaggccctga ccctggtact   120
cttcatcttt atcttattat tttatgcttc ttcccagaaa ccatcaactt cttcaaaatg   180
gcattattta tctatgtgaa atatatgatt tgatatgttt taattacaac agtttagtat   240
ggaattattt tccttattac tcattattta gtttccttat tttgtaaacc tccttcatta   300
taaataagag tatttcatgt ggtctgatat gacaacacac aacagtaa atccttacg   360
atctatataa gcatgctgtg atgccacagc taatgattct agaatttggg actgtttctc   420
agtatgttgt gaccctagcg tgcctattta gtagacaatg ctagtagtat gatttctccc   480
cagctttgtt tatgtggttt gattagccca ggaagtgagc atatcatttc ctccacaagt   540
cagatgtttg cagcact                                     557
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<210> 13142
 <211> 538
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220144g03a1

<400> 13142

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 tcaacaatgg ctctctcttc atcatcattg gctggccaag ctatcaagct tgccccctcc 120
 acccctcage ttggtgttgg aagggttagc atgaggaaaa cagcctccaa gactgtttct 180
 tctggaagcc catggtacgg ccagaccgt gtcaagtact tgggcccatt ctctggtgag 240
 cccccatect acctcactgg tgaattccca ggtgactatg gttgggacac tgctgggctt 300
 tctgctgacc cagagacctt tgccaagaac cgtgaacttg aagttatcca ctccagatgg 360
 gccatgttgg gagccctgtg ctgtgttttc cctgaactct tggcccgcaa cgggtgtcaag 420
 ttcggtgaag ccgtgtgggt caaggccggg tctcaaatat ttagtgaggg tgggcttgac 480
 tacttgggca acccaagcct gatccatgca caaagcatcc ttgccatctg ggccactc 538

<210> 13143
 <211> 586
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220144g04a1

<400> 13143

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 attatggcac accatccaca ccatcagatc ttacctggtg aagggccctg ccaacttcac 120
 tgtaagattc tgggtaccagt ttaacactac ccctcagtct agacttaaac acttagaact 180
 tgtttctatt ttatcctttt ccatccttgc atttttcgat caaattctag acttcctca 240
 tttccactat gcctttaagc ttgacaactt tgagcatgca actatgttca tacaccttgc 300
 tttgtttgct ggtttctccc tctccactga gttgactgat tcaattgacc tcttctccgg 360
 ctttgttggg atacttgcac cctcggtgtt tagtcaagaa ctattccttc tccattttca 420
 ctccacagac catgttggac ttgaaggcca ttaccactgg ctgctgcagc tcatagtgtc 480

gctgacaaat gcaaggtggt ggtcaacatt gagcagcaga gccctgatat ctgccatggt 420
 gtgcacggtc acttcaccaa gcgcccagag gaggttggtg ctggtgacca gggtcacatg 480
 tttggctatg ccactgatga aacccctgag tacatgcccc tcagccatgt ccttgcaacc 540
 aaactcgggtg ctc 553

<210> 13146
 <211> 564
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220144g07a1

<400> 13146
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 ccaccatttc ccttcggttc ccaagaatca atggcgactc gtgcggttgc cggagcaatc 120
 aagaaacgca ccgtttcggt ccccgcatte cgcgggcatt ccatttatcg acacggtagc 180
 acgcttgtgg tggcggaaca cgaaggtggt tttatcaaac ccccttctct ctcagcactg 240
 gctgctgcc a cgtgtcttcc cgatcctgac tcttcggtt ctgtgctctt ggccgggttcg 300
 ggtccttctc ttcacaaagc tgcttcacat gctgcttcgt gccacccttc aatctccaag 360
 gtgcttgtgg cagattcaga taaattcaag aacctctgg cagagccctg agctaaatta 420
 gtccatttgg ttcaccagag tggcggttac tctcatataa ttgctgctgc aagttctttt 480
 gggaaaaatg tcgtgccacg tgcggctgcc cttttagatg tttctccaat tactgacgtt 540
 actggaattt ctgattccaa tact 564

<210> 13147
 <211> 598
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220144g08a1

<400> 13147
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 gcaaatttcc acagtaaacc cctctctttt cccttcaata ctcacttctt ctctttctcg 120

ttgcactgat cttagagggg tttgtgttct tggtttcctc ccctttctct ctctctctgc 180
 cttgcatttt tgtgtgtttt tctcaatagg ggtttcgaaa atgccgatgt ttcagccttg 240
 tcggaaggac ttggttgccg ggtacgaggg tggtaggcgac ggccagattc tagatctgga 300
 caccgccgtg aaagacggcg ttttggggcg cgtggagggc ggcgtcctgg gaggtggggg 360
 tggtgagaag gtggatctgg aaganatatt ggaggagct tgagttatgt gaagtgccga 420
 gtgtgttcat ttgccaatc tcattggaac caatgcaaga ccctgttacc ctctgcacag 480
 gccaaaccta cgagaggtcc aacattctta aatggttcaa cttgggacac ttcacctgcc 540
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<210> 13148
 <211> 567
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220144g09a1
 <400> 13148

gannnnnaat ggcgactcct atgcannccc nntntntnnn tgnenggnnc nnnncnnnnn 60
 nnnnnnnnnn ngngnnngnc cngnnngnnc tnanngaatt tttgttggtc ctgctgctaa 120
 ctacagcacc tgaaacagtg aaatttgaaa gctctctttc tttaaaaaag tcttctttct 180
 ttctttcttt gtagtactat ggagactaga gagagagaag actgaagtcc ttgccagcca 240
 ggctcaata catttgtgtc agtttttcac ctcttttggt ttctgttccct ttttcttct 300
 gtttcatcat cttcatggat ccacagtaat tcaccacaaa tcttgcttct tcttcttctc 360
 cttcttcttc atctctact cgattatctt cttgatgaaa agctttcaga atttaatttt 420
 cggactcaat tttcagtttc taaaaagctc cttaatttct cttcttattc ttctgaaaga 480
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 tttagtttct gggcttatt cttctca 567

<210> 13149
 <211> 602
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations

<223> Clone ID: jC-gmf102220144g09d1

<400> 13149

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 ntntttttnn tggggggggg ttttntttt ttttntttt atccctcat aatgctatct 180
 agggttcaaa ctacataatc aatataaaca ttatgcaata taagaaagac tagacttctg 240
 aatagtttag tagaacatgc atgcatgtag agcaaagatc ttgatcaaag aaagagcaca 300
 acagattggg gagaaactaa cttatgccta ctatgtcaca agaaacttga caagggaaaa 360
 aagtacacca tgtctgatac ttgccttggc ctcttcacac agtctcagca gcaaaaatat 420
 gtacacagca agtcctcaa aatggttaat atactcccag agattctcat cattttgcta 480
 aattttcact gtgactggtg aaaagagaaa tcggtcacat caaacaccac ggtttaccat 540
 ttccctgaaa cgctggaag actccagcct ctgcagcttc atttgagtgt tgatcttctt 600
 at 602

<210> 13150
 <211> 402
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220144g10a1

<400> 13150

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 agtactatgg agactagaga gagagaggac tgaagttctt gccagccagg cctcaataca 180
 ttgtgttcag tttttcacct ctttgtttt ctgttccttt ttccttctgt ttcattcatct 240
 tcatggatcc acagtaattc accacaaatc ttgcttcttc ttcttctctt tcttcttcat 300
 ctctactcg attatcttct tgatgaaaag ctttcagaat ttaattttcg gactcaattt 360
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<210> 13151
 <211> 646
 <212> DNA

09-03-2017

<400> 13151

<210>	13152
<211>	392
<212>	DNA
<213>	Glycine max

<400> 13152

6042

<210> 13153
 <211> 541
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220144g12a1

<400> 13153

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 aactaaaacg aatttaatac ttaatcgaaa atactaatag aatagaaata gaactgtctt 180
 ttcatataga tatcccttca acacaacata ggtcatcgaa aggatctcga agaccaccca 240
 acgcacgaaa gccgggatct ttcagaaaat ggattcctat tcgaagggtg cataaccgca 300
 tggataagct cacactaacc cgtcaatttg ggatccaatt cggttcctta gggaggtatc 360
 gggaaggaat tttggaatgt aataatatcg attcatacag atacagaaag aagggttctc 420
 tattgattca aacgctctac ctacgagata gggatagaga aagaggaaaa aaccgaggat 480
 ttacatagta cttttggtcg aaaatcgatc tgattttttc gtacttttcg ctcatgatga 540
 a 541

<210> 13154
 <211> 537
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmf102220144g12d1

<400> 13154

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 aaaaaanaaa nnnnnnnnnn naattttttt taaaaaaaaa aaaaaaaaaa aggggggggtt 120
 ttattaagtt attttattag actttgtatt ccaaggctat ctgctttacc acttacctgt 180
 gccttttagaa ggcaaattag cttcactggt aaggccatcc aatcagagaa gccaacctat 240
 caagtgattc agccaatcaa cggtgaccca ttcattggaa gcctggaaac cccagttaca 300
 tccagccctt tgatcgcatg gtacttggtc aacctgcccg catacagaac cgcagtgagc 360
 ccactactaa gagggatcga ggtgggcctg gccacggat accttctggt gggcccatc 420

gtgaaggccg ggcctcttat gaacaccgag atcgccgggc aagcgggctc tctggccgcc 480
cgtgggcttg tggatgacct cagcctttgc ctcacaatct atgggatttc atccttc 537

<210> 13155
<211> 604
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220144h01a1

<400> 13155

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aattttggta gcatggcaat gccatgcgta cgatatgttc cctctccgaa tgaacactgg 120
ctatgggtgcc cgtactccgg aggtgaaatg cgcaagttgg aggcttgctg tggaagcaca 180
caacatcttt ggctttgaga ccattcctga agagtgcgtt gaagcaaca aggaatacat 240
ccatggcgaa caatatagat cagactccaa aacagttaac caacaagctt acttttatgc 300
cagagacctc gaagtccatc ccaaggacac atttgtgttc agtatagatg gcaccgtact 360
ctctaataat ccatactaca aaaaacatgg atatgggggtg gagaaattta actcgacctt 420
gtatgatgaa tgggttaaca agggcaatgc accggcactg cccgagactc ttaagaatta 480
caacaagctg gtgtctcttg gcttcaagat tatattcttg tcaggaagaa cactggacaa 540
acaggccgta acagaagcaa acttaaagaa ggctggctac cacacatggg aaaaattaat 600
tctc 604

<210> 13156
<211> 406
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220144h02a1

<400> 13156

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gggggatgtt atcgtggcat taccgtgcgt acaagactga ccctattcga acgaacacaa 120
gccttgaggc ccgcactacc gaggtgtaac gcacacctcg tacggccgcc gcagaaacac 180
acaccaaatt gagctcccat accatgcctg aacgacgccc tataccaacg aaggactaca 240

tccttggcga agaatttaga tcagactccc acacagttcg cccgctaact aacctgcaag 300
 ccagagaccc cgtcgcccat gctaaggaca cattcatgct caatatcgag ggcaccgcac 360
 tggctaattgt tccatactac aacacacacg tatctgatgt cgagaa 406

<210> 13157
 <211> 578
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220144h03a1

<400> 13157

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 ttagggttcc ggctatcgct aagggcacgg atcataaaat cttccagaag cttctatgct 120
 attactcagt attattacca tttgccaaagg tggtgtagg caccattttt atcacttgaa 180
 gtcagtcagc aacaactttt ctgcgaattt ttcaggaata ttttcgcctg aaaaagttgg 240
 agcaaagtgc tttgcaaaac aagggatttt ggatggtaaa gggttctgga cacattaatg 300
 acagagatac agtatttgat aatcccacca aaattgaacc aaaacgacct catcaatggt 360
 ttgttgatgc tgctgaagta gatttttttc caaacaagaa acaagccgta gaagatgcag 420
 atgaaaaatc tagtcctgga ttttcaaata taaatattcc tccctgggag aacaatccca 480
 attttcattc agtcccaaac caatttattg gccggttatt tgggtctgaa accaggcctg 540
 tcaatttcac tgaaaagaat actatgtttt ggctgatg 578

<210> 13158
 <211> 586
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220144h04a1

<400> 13158

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 ttcgttcgtt cgttcactgc cttctctctc ttaggctacg ttcgccgccg cagccccgaa 120
 aggattcaac cttctgtcat gtcaatggag tatgatatac ctgattctga aatacaacaa 180

aatagcagga gaagaaagaa atctactgtc tgggaacact tcaactgtgaa aatggatgga 240
 cctggatgtg ccagggctta ctgtaaaaga tgccaaaaat catttgctta tctaaaagat 300
 tcaaaacaat ctggcaccag tcatctcaag agacacatta ctttggaat ctgtcagaaa 360
 aatcaacgaa taccatgttc caaaaccgat gccaatccac caaagaaacg agcaagagca 420
 aaaccttggt ttgctgctat ctcatctgat caggagcgtt gcaacagtaa gattgctaaa 480
 atgattattt tacatgacta tccacttcat attgtggaac accaagggtt cattgatttt 540
 gttcgagcac tacaacccca gctcaatcca ctgagnctta atgcta 586

<210> 13159
 <211> 549
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220144h05a1
 <400> 13159

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 gggtacaaaa tccacgaacc tgactctttc caaccctctt cactctccgt tgatgctcag 180
 gctcttcaga accagattga tgagcttgcg gcgttttctg actcacctgc tccatcagta 240
 accaggtct tgtatactga caaggatgtt ttaggtcgca ggtatgtaaa aaccagatg 300
 gaacttgctg gcctatctgt gagagaggat gctgttggtg acatatttgg tcgttgggat 360
 ggccttgaac ctgagcttgc tgcagttgca acaggttcgc acattgatgc tataccttac 420
 tcgggaaaat atgatggagt tgtcgggtgtt ttaggtgcta ttgaagccat cagagtcttg 480
 aaaaggctctg gctctaaacc tagaagacca ttggaagtca tatcattcac atcagaagaa 540
 ccaacacgc 549

<210> 13160
 <211> 459
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220144h06a1
 <400> 13160

<400> 13162

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 ctccctcact gatgtcagtc attactttga ctcagatcca acaaacctgg ttcaaagtct 120
 aagaaaagat gggaagaagc caagtgcata cggttgctgac acaaccactg ctaatgctca 180
 ggtgcgtagc cttgctgaga cggttcgact tgatgcaaga accaagctat tgaaccccaa 240
 gtggtatgaa ggcattgctgt ctactggata cgagggtgtt cgcgagatag agaagaggct 300
 cactaacaca gttggatgga gtgcaacctc aggccaagtc gacaactggg tgtatgaaga 360
 agccaacaca actttcattc aagatgagga aatggttgaag aagctaatac acacaaatcc 420
 aaactccttt aggaagctgg tgcagacatt cttggaagcc aatggacgag gttactggga 480
 gacttcagaa gacaacattg acaagctc 508

<210> 13163

<211> 368

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220144h09a1

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 caatgtaaag gccaaaattc aagacaggga agggatccca ccagatcagc aacgggtcat 180
 ttttgctggc aagcagcttg aggatggacg tacccttgct gattataaca tccaaaagga 240
 gtccactctc cacttggttc ttcgtctccg tggggggatg caaatctttg ttaagacctt 300
 gacgggaaag acaatcacc ttgaggtcga gagctccgac accattgaca acgttaaggc 360
 taagattc 368

<210> 13164

<211> 407

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220144h09d1

<400> 13164

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atgatgagtc tagtgaaaga ggtatatattt cacatctagg ctatccaagt gcaccaccct 240
accctcctcc acatggatac ccaccatcag gctatccacc tccaggaggg tatcccccaa 300
cagcctatcc accaccagca tatccgcctc ccggagtata tccgcattcc ggttactatc 360
cttccgaata tccacctgca tatccgcctc cgggagggta tccaccact acttatectc 420
attcaggata tcateccacca gcttatectg ccccatatgg ctatccacct gctgcacctc 480
catatcctgc anggcgtgga gctggcatgg gaggattgct ggaggnggtg ttgctgctgc 540
tgccgctgcc tatggtgctc accacatggc acatggatat catcgttttg gacacggagc 600
ctaccatggt catg 614

<210> 13167
<211> 454
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<223> Clone ID: jC-gmf102220144h11d1
<400> 13167

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cctcactagn ngnggggcgg ccgggnnnnn annnnnanna aaaaattttt ttttttnnaa 120
naaaaanacc accaaaaaag ggggtggttt taaatacaaa agccaaacat gcaaaatggt 180
gttgaaggct tacattgttc accctatgcc aaaagctcca tgaccgtgct gaaaaatcag 240
ctttccaaca tataatgcat tgtatcactt ccactatctc caacgatgct tatacttgcc 300
aatccaaac ctatcatgct tacaacgctt gcggaattca ccgcacatga actttccatg 360
accatggctg gctcctgagc caaaacgaag aatctcatgg acgaaggggt gagcacaata 420
agcaggggga ctaaaatcaa aacccttga aaac 454

<210> 13168
<211> 388
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<223> Clone ID: jC-gmf102220144h12a1

Abstract

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<210>      13169
<211>      526
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<223>      Clone ID: jC-gmf102220144h12d1
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<211>      472
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
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 <211> 635
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
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 gggtttttat tttttaaaat atttttatta ttataagttt gatgagaaat aaaaaaaccc 180
 ttctaattgga aaaactctaa aattaggggtt tgttttcccc aaaaggagag aagaagaaaa 240
 aagaaggaag gagggagggg atgatgaagc ggctgttggg tgggcccggg acgattagcg 300
 ggttcctgtt gaggtttggg caatgcgcac ttggtgccgc ttcgattgct attatgggtca 360
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 aagtgtcttg gagctttgga cttgcatgtc ttgatattta tgctttgagg agaaagagag 480
 acctacaaaa tcctattctt gtcagcctgt ttgttgtggg tgattgggta acagcgactn 540
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 ctgcatgcgc gactagtaag catctcacat gcaac 635

<210> 13173
 <211> 169
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220145a04a1

<400> 13173

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 tgaacagaac tatggccttc tttatgtggt aaattagact tgtgtatcac tagcatagtt 120
 gcaaattgtg gtgacacaag cttcattgag aaaaggctct ctaatttgt 169

<210> 13174
 <211> 338
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220145a05a1

<400> 13174

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 ttattttcttc cccccccccc cccccagaaa ttcataaatt cgtggaagtt cgcaggctcg 180
 tttggtcccc tccccctttc tctccctett ctctctatct ttcctccgct catecccttc 240
 tccccctttc acccctccct ctccctcttt ctctctcttt ctatcctctc tttcttctcc 300
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<210> 13175

<211> 408

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220145a06a1

<400> 13175

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 tcattggttc cccccccccc cccccagaaa tggtattaca tcgaggaagt ctcgaggctc 180
 gatttgggta cgtttggttc atgctagggg tagggctagg cgtccattag gcaatggatc 240
 tgcggcacgc aaatgggagt ggtgatttac gtacccgatt caaatctatg tttggccctg 300
 ctgcactgag caagggacac tggctgtttt tcatctatac ggagacaaag catcaaaagg 360
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<210> 13176

<211> 530

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220145a07a1

<400> 13176

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 gacatggacc ggatcaaagg cccatggagc ccggaggagg acgaggctct gcagaagctg 120

<210> 13183
 <211> 387
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220145b03a1

<400> 13183

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 caaattgtgg tgacacaagc ttcattgaga aaaggctttc taatttgtat tggatgttat 180
 gggagaattt tgctggacaa tgtaatagaa caactctttg tgagaaaaag aatattattg 240
 cttttgattt tgaatgagtt aaaaaaaaaa aatatagtgc ataaccgata aaaataaaag 300
 aataaattgg gccttcggtg gcatgagatg tggcctccct cactgataaa gctgggtatct 360
 caagggggaca cataaccccg gggggcg 387

<210> 13184
 <211> 197
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220145b04a1

<400> 13184

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 ttccaaagtt aattgtggag agaagcttac caatgggttt tttattaagt tcgattaata 180
 cctctttttac tcctttt 197

<210> 13185
 <211> 163
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220145b05a1

<400> 13185

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attaaagacc ttgcagacaa atatcatact gagaacttgc tgcttgtcac acacggagaa 120
ggagatgcag tggctctgtc ttcattcaaa caggatgctt cag 163

<210> 13186
<211> 460
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220145b06a1

<400> 13186

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gaattcttca gcgagttccc gaaagctctg cacgcactgg atcacaaccc ggaggtgaag 180
gtgatcgtgt tgtccggcgc cggggaccac ttctgctccg gcatcgacct ctccctcctg 240
ggatcaaccg ccgcgagttc ggggttcctcc ggctccggcg aaaccctccg gcgagagata 300
atggcgatgc aagacgcggg caccggccctg gaacggtgcc ggaagccggg gatcgcaagc 360
gtacatgggg cgtgcatcgg cggcggaatt gatatagtg cggcgtgcga cataatgatg 420
tgcagcgagg aggcgttttt ctccgtgaag gaagtggatt 460

<210> 13187
<211> 548
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220145b07a1

<400> 13187

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tgaggagggc ggcgaacccg atacgaatgg tgtctggcgt ggaggcggag gtggttcggg 180
tgatcgggga gtgccggcgt gcgttgaagt ttgctaggtt cgtgagcagg ttcgggaaga 240
gttaccaaag cgaggaagag atgaaggaga ggtacgagat attctcgcag aatctcaggt 300
tcatccgctc ccacaacaag aagcgtttgc cctatactct ctctgttaat cattttgctg 360
attggacttg ggaggagttc aaaagacaca gactaggagc tgcccaaaat tgctctgcca 420

ctcttaacgg caaccacaag ctcaccgatg ctgttcttcc tccaacgaaa gactggagaa 480
aagaaggtat agtgagttca attacagatc aaggcagctg cggatcatgc tggacattca 540
gcacaact 548

<210> 13188
<211> 479
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220145b08a1

<400> 13188

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acacggtcct aatattaaca aacctgagaa tgttcaactg gttgatctgc gcatagcata 120
taattgtgaa ataatgctct ctaaaatcaa aattcctttg ccagatatgc ttcaggacaa 180
ttttttctgg atcattccac cccctattga atctcttttt tttaccgcta cttggagtgg 240
gaactttgac ccatttggtg aattgattac tttatattga atcctcaagc aaaaatggaa 300
tgataacaag ttccgtggcc gattggattt actccttttt taattgaata gcaaattcaa 360
gcattagtat tgcaatatag gcacaaatgt cactcattga tgcttctaata tttcttcgaa 420
ttgcaactct ggcattggat tctgcagttc tcgatattga tcaagctgcg aatctcatc 479

<210> 13189
<211> 191
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220145b09a1

<400> 13189

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ctcttctttt ctctctcttg cacacatata cacactcttc ttttttatte cttctttcac 120
tccactgccc agcttcgccc tgtgcatcgc tcaccgtttg cagtagcttc tctactacct 180
acttttctcc t 191

<210> 13190
<211> 134

gagggggggg gttgacaaga acaataacgt tgggtctccca tcataagatg gtagatatgc 120
catattgaag gtgcatgccca tgaataaatt ttttctgtct gaggaggaag aggagactct 180
acttcaggaa attgctgata tgacagaaga ttttgctggg gccagctac aaaatatact 240
gaatgaagct ggaattgtga cagccaggaa ggatgtggac tacattggac aatatgagct 300
gcttgaggca ttaaagaggc aaaagggaac atttgaaact gggcaagagg ataataccga 360
aattcctgaa gaattaaaac tgacattggc atacagagaa gcagctgttg ctgctctagc 420
atgttattat cccaagcccc accgaccttt tattgagact gctatgaagt ctatacgagc 480
gca 483

<210> 13193
<211> 171
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmfl02220145c03a1
<400> 13193

atttccttac ctctcccttc aagatgcaga tcttcgtcaa gaccctcacc ggcaagacca 60
tcacccttga ggtggaaagc tctgacacca tcgacaacgt caaggccaag atccaggaca 120
aggaaggaat cccccggac cagcaacgtc tcattttcgc cggaaagcaa c 171

<210> 13194
<211> 163
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmfl02220145c04a1
<400> 13194

atttccttac ctctcccttc aagatgcaga ttttcttcaa gaccctcacc ggcaagacca 60
tcacccttga ggtggaaagc tctgacacca tcgacaacgt caaggccaag atccaggaca 120
aggaaggaat cccccggac catcaacgtg tcattttcgc cgg 163

<210> 13195
<211> 190
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220145c05a1

<400> 13195

aaattgcgct gtatgtagtg agggtccttt ggttcagttt catcaaccat aaattttctc 60
tgtgcggttcc atcttcttta ggccattctt ccataaaaac acaaaaagac ccacagagag 120
gaacatggca tgtccagcaa tggcaaattg gaacgggtca ttgaagaacc tgaagctaaa 180
tgtcacccac 190

<210> 13196

<211> 371

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220145c06a1

<400> 13196

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tttgcggtgcc atcttcttta ggccattctt ccataaaaac acaaaaagac ccacagagag 120
gaacatggca tgtccagcaa tggcaaattg gaacgggtca ttgaagaact cgaagctaaa 180
tgacaccaag ggaaagacca tcacttgcaa agctgccgtg gtatatgggtc ctggagagcc 240
ctttgtgggtg gaaaacattc ttgttcatcc tcctcagaaa atggagggttc gaatcaagat 300
cctctacact ctcatctgtc acaccgatct tctcgcatgg cgaggcgtga accaagctca 360
acgtgcttat c 371

<210> 13197

<211> 425

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220145c07a1

<400> 13197

atcaaacatg gttcgtgatt cttcaaaatc tttgactcgg acgtcaaagg ttatgaaact 60
ggctgagggga gggagcacc cttatctctgc acggatttcg gatatgcctg tgaccaatgg 120
atcatctcat atgcttgcaa gatgctcatt acctgaacat gcagctgcta atgcggaagg 180
gcattactct gagcaacact cttatgagct cccacccgat gaggagtctg ctctgctgca 240

acaagtattg aatctgactc catagcaatt aagctccttg ccaccagatc agcaacatca 300
 ggtccttcag ctccagcagg ctctttggcg agatcagata cagtcctcat aacagggaac 360
 tcattctacga tgtaaaaata gcatcaactt atttgtatac tagcattcgc tagatattag 420
 ctcca 425

<210> 13198
 <211> 401
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220145c08a1

<400> 13198
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 ggctgagggg aggagcacc cttcttctgc agggattttg gatatgctg tcaccgatgg 120
 atcatctcat atccttgga gaagctcatt acctgtacat gcagctgcta atgcggaagg 180
 gcattttctn tgnnttnnnn nnnnnnaaaan cccaccgat gtggagtctt gtttgctgca 240
 acaagtattg aatctgacac cagagcaatt aagttccttg ccaccagatc agcaacaaca 300
 ggttcttcag ctccagcagg ctctttggcg agatcagata cagccctcat aacagggaac 360
 tcattctaaa ttcaaaaata gcatcaactt atttgtatac t 401

<210> 13199
 <211> 318
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220145c09a1

<400> 13199
 tattgatatt ggtatggtct ttctttgtac cccatttgca aaaaggaaga agaagaacat 60
 gaagattcag tgtgatgtgt gtgagaaagc ccctgcatcc gtgatttggt gcgcagatga 120
 ggcagctttg tgtgccaaat gtgacgttga agttcatgct gcaaacaagc ttgcatgcaa 180
 actctatttt tttttatttt tttcttcttc ctcttattt tcattctttt ttacattatg 240
 tcaagataag ccagctttca tattctgtgt tgaggacaga gcactctttt gtatagactg 300

tgatgagcca attcattt

318

<210> 13200
<211> 563
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220145c10a1

<400> 13200

tattgatatt ggtatggtct ttctttgtac ccattttgca aaaaggaaga agaagaacat 60
gaagattcag tgtgatgtgt gtgagaaagc ccctgcaacc gtgatttgtt ggcagatga 120
ggcagctttt tgtgccaaat gtgacgttga agttcatgct gcaaacaagc ttgcaagcaa 180
gcaccagagg cttctccttc aatgtctatc aaacaagctt ccagatgtg acatatgcca 240
agataagcca gctttcatac tttgtgttga ggacagagca ctcttctgta aagactgtga 300
tgagccaatt catttagcca gtagcctttc tgcaaaccac cagcgcttcc tcgctactgg 360
tatcagggtg gctttgggtt ctaattgcac cacaggccat gaaaaaggta acatggaacc 420
atctaacca aatgcacaag aagttcctgt gaaaactcct tctcagcaag tgcctagctt 480
cacatcctct agggcagttg atgacttggt ggaattaaca gactttgaat cgccagacaa 540
aaagcaatcc ctggaatttg gag 563

<210> 13201
<211> 158
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220145c11a1

<400> 13201

atataatcct ttttggaggc gccgattttg tcttaactgc agtcaatctg attctaacgg 60
gggggcggta tgcattggtc actccgtcgc cttctggatc cgtcgatccc tctctgtagc 120
ttcacctacg cacaccctgt aatggcgacc acgagata 158

<210> 13202
<211> 543
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220145d01a1

<400> 13202

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 taaagaagca ttgtaaaagg ctcaatgctc ctaagcattg gatgcttgac aaactgggtg 120
 gtgcatttgc gcctaaaccc tcatttggaa ccacacaaat cgaggggagt cctccccctc 180
 attcttattc tgcgaaaccg gctgaagtat gctctgacat accgtgaagt cattgctatt 240
 ctgatgcagc gccatgttct tgttgatggc aaagtcagga ctgacaagac ttaccctgct 300
 ggtttcatgg atgttgattc aatccccaaa acaaatgaga acttccgcct gctctatgac 360
 actaaaggcc gattccgtct tcattccatc agggatgatg aggcatagtt caagctctgc 420
 aagggttaggt cagtacagtt tggccagaaa ggtatcccat acctgaacac ctatgatggg 480
 cgcacccatgc gatacccaga ccctctcatc agggccaatg aactgttaa gctggatctg 540
 gag 543

<210> 13203

<211> 600

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220145d02a1

<400> 13203

ggaatatcac gatttttcgtt tcgcttattt ttgaaatcga aagattccca cagaattgtg 60
 cgaattattg ttcatTTTTT tgtctctact gtcgtgctcc aacttggtaa actagaagtt 120
 catttattgt ttcatctctt caatggggga tgctgagaat gcccttcac ctacaaagaa 180
 aagggtgct ggaaggagc tcactcgaga cactcccat gatgatgagg aagatgcccc 240
 cgagcttgag actggcactt tcaagagagc cagtgaagag gttctggcaa ccagaaggat 300
 ggtcacaatt cgtcgcaaac agactaattc tgctccttct gcaaatacctt ttgctggaat 360
 acgcctggtt gctccactg aatcatgtga taatcctgct gagattacta ctgaagtaca 420
 atcagctggt gagaacgctg ttccacatga ttcaaaaagt gatgaaggta tagctaagga 480
 ttccaagaaa gctgaagatg ggaaaactaa gcagtcagag ttcaaactctg atgaggcaga 540
 ggataaagct acttgaggta aggatgctgc agaagaaaag catgcaaaca aagagcatatc 600

<210> 13204
 <211> 174
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220145d03a1

<400> 13204

gacaacaaca actattggag catggaggat atctgggtcaa tgcaattagc caattactga 60
 acgggaatta aacctataaa cataaatata aataatatat ataaacctaa gtgtctaagt 120
 tccataaatt aagctgtagt ctctggctta aaacatgtta gggttgttta taca 174

<210> 13205
 <211> 135
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220145d04a1

<400> 13205

gccttattaa agaccaatgg ttaacttttg ttttgaaggg cggctctgct agaataaaca 60
 gtgatgagat cactgtttta gataatgatg cggacaatgg gtgtgacatt gatccacatt 120
 aagcacatta aactc 135

<210> 13206
 <211> 164
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220145d05a1

<400> 13206

ggttgatggg tcggcgaaag aacaacagca tctacaatca gtgctcctca agcaaggaag 60
 acgctgacat gaatagcaac caccttcggt ttgaagaagc tgacgaggct gtcgacgaga 120
 gttccaacct cgaccaatcc atgtgcgaca tcgaagaatc cgat 164

<210> 13207
 <211> 460
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220145d06a1

<400> 13207

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 acaaaggaag gcacattcga aggatctatg caatctcttt gtttgtggcc atatgcttca 120
 tctgggctta cagattgagc cacatacccg catatggcaa atgggcttgg cttgggtttgt 180
 ttgctgcaga actctgggtcc ggtttctatt ggctcttttg tcaagccctc cgctggaaca 240
 tgctgttcag aaaaaccttc atcaatagac tctctgaaag atatgagaat agcttgccga 300
 gagtggacat gtttgtgttc acggcagacc caatcattga gccacccatg atggtgatta 360
 atacagtgtt atctgtgatg gcttatgact atccagcaga gaagctcagt gtgtatctct 420
 cggatgatgc aggctcagac ataactttnt atgctctttt 460

<210> 13208
 <211> 416
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220145d07a1

<400> 13208

ccattttgaa gcatgcaaag ccaaaactag attgtaggtt tattttggat gttaatgtga 60
 tagatggtag aatgatggct ccatctactg catttacaaa gatctggcgg atgcgcaata 120
 atggcactat agtctggcac aagggaactc aacttgcttg gattggagga gacaagtta 180
 gtgactctca ttcagttgac ttagagggtc ctgaggatgg tgtccctttg gagaaggaac 240
 ttgacattgc cgttgacttc acagcacctc cattacctgg tcgttacata tcatattgga 300
 ggatgacaac tccatctgga catcaatttg gccaacgtgt ttgggtcctt atacaggctg 360
 atgcctctct caaggactca ttttatgata actctcaagg tctgaacttg aatatt 416

<210> 13209
 <211> 471
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220145d08a1

<400> 13209

taaaaacacc aaattacata gaatttttag gcgtaaccaa agtacgtacc aaaccatggc 60
 attgacaagt caattgagaa accttcttgc agctctagag gctgaggaag cagcccaaaa 120
 atccaaaggt aaagtgaaca catacaccaa ccatggcgat gggtttcaga acattactgg 180
 gtttnanatt attanttatt nnttttatat ttttaanaat taatttttat taattttata 240
 tatactgtgg tgggtccgct ataaataata ggggcaattt ccagggacat ggcaatggag 300
 gctttattgg tggtaatttc gatgcctcaa cgaggaaacta ctgattaatt tatgtatgat 360
 caacttcatg tattaaatac tcgtgttctg cgctacgcnt actaattaat aataaaatta 420
 gagctgcatg ctgcagctct acagngtgtg atatgaataa ttacttgaga g 471

<210> 13210

<211> 177

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220145d09a1

<400> 13210

gggaagcctc gtttctctga cttcatcttg tttcctgcc aattgggtgc tgatattcat 60
 tcttggttg tgggtgtagc tgagaagtag ccttggttg aggagttgag gctcaagaga 120
 atgactgtta ctgatgagag cttggagttt ctggctctca aattcccaaa tttcaaa 177

<210> 13211

<211> 482

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220145d10a1

<400> 13211

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 ccgtaaccgt tagatcgagc gactactact acgattgtgt gtacactgca tacgttagaa 120
 ccgggtcggg gtcgaagggc ggaacggact ctaagatcgg gctgaagctg tacgacaagt 180
 acggctacta catctacatt aaaaacctcg aagcatgggg cggttgatg ggcaagggct 240
 acgactactt ggagcgcggc aacctcgaca tcttcagcgg aaggggaccc tgtcttgacg 300

gacccgtctg tgccgtttac gttactttctg acggatcggg ttctcaccac ggctggtacc 360
 ttaactacgt ccaggtcacc tccactgggc cccacctttc ctgcgctcag gatcagtacg 420
 aagtggagca gtggctcgtc ctgcacaatt cgccttacca gctttgggcc gttaggaacc 480
 ac 482

<210> 13212
 <211> 559
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220145d11a1

<400> 13212

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 ttccgggttat tggaaggcaa ctggcttgga caaacaatt gttacttcaa aagggaacca 120
 agttgtgggg atgaagaaga cacttgtttt ctacagaggc aagcctctc atggatccag 180
 aactgattgg atcatgcatg agtatcgct caacatcctt aagcctctc agagccatgt 240
 tcccatggaa aattgggttc tatgtcgc atttttgaag aagagaagcg gtgctaaaaa 300
 tggggaggag agcaacaagg tgaggaactc taaggtggtt ttctatgact tctagcgc 360
 gaacaagact gattcctcat cctcgccgc cagtggaatt acacatgaac atgaatcaga 420
 tgaacatgac catgaagaga gcagtagctc caacaccttc ccttatacta ttagaacgaa 480
 accttaacaa ccaagtcaac aaccaccttc cttaaaaaag tgattatcac ctagtttttt 540
 tttttttaat tctctttcc 559

<210> 13213
 <211> 568
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220145e01a1

<400> 13213

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 aacagctgat tccgggcctg gcagaccccc aaaatcaa atgtgcagcgaa aaagtaatat 120
 ggagccaaag atgcagcaaa aatggagaa caattcaatc actaggaggc ctccaactgc 180

tcagtttagat aaatccaagc gttcagatga cgatgcagtc caagtaaagc tagaagccac 240
 caagagaaaa cttcaggaga gctatcaaca agctgaaaaa gccaagaggc agagaacaat 300
 acaagttatg gaaataaacg atcttcccaa gcaaggtttg caccgaaata cacatttcaa 360
 acctggatat cacagtaggc attgggctaa tggtcgaaga taaagctatt attctatggt 420
 ggaccttcag atttaacagt atttccaagc tgtttggtcc aatgggttga agattgggtcc 480
 ccttgattgt agaaaataac aaaatccatt caccatttgg acttgcatag aaatattcca 540
 attgagaggg aagtaaacct ttaaacac 568

<210> 13214
 <211> 418
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220145e02a1
 <400> 13214

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 acagctgatt tctggcctgg cagaccccca aaatcaaatg tgcagtgaat aagttatatg 120
 gagccagaga tgccacaaac aaatggagaa caattcaatc actaggaggc ctgcatctgc 180
 tcagtttagat aaatccaagc gttcagatga cgatgcagtc caagtaaagc tagaagccac 240
 caagagaaaa cttcaggaga gctatcaaca agctgaaaaa gccaagaggc agagaacaat 300
 acangttatg gaaataaacg atcttcccaa gcaaggtttg caccgaaata cacatttcaa 360
 acctggatat cacagtaggc attgggctaa tggtcgaaga taaagctatt attctatg 418

<210> 13215
 <211> 241
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220145e03a1
 <400> 13215

tgcaaaaaaa tgccggagtt gnagcnattc agcatgtttg atgtagactc cgaggatccc 60
 ctcgggggaat tccaattcca cattttcaag aaataaggag gttttatttg ttcatatatg 120

aatggaatt atttgttttc ttattaggcc tatectgaag ccaaaggaaa tgagatcgga 180
 attcctcggg gaattccaat tccacatttt caagaaatat ggaggcaaaa atgttcattt 240
 a 241

<210> 13216
 <211> 248
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220145e04a1

<400> 13216

tgganaaatt atgggcgaca tagcagtgc tgncagcatg tctgcatgtc gactgcagag 60
 gateccctcg gggaattcca attccacatt ttcaagaaat aaggaggctt atatgttcatt 120
 atatgaattg gaattatttg ttttcttatt aggcctatcc tgaagccaaa ggaaatgaga 180
 tcggaattcc tcggggaatt ccaattccac attttcaaga aataaggagg caaaaatgct 240
 catatatg 248

<210> 13217
 <211> 185
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220145e05a1

<400> 13217

gtgccagcgt cagagagact catcagttct cactcgtacg gcgcttttgc tttgctttgc 60
 ttcattttct tcatcgtcat cataaagttc gttcctttct cagttttcac ccataccag 120
 atgagtaaca gcaccatctc ggatctgtgt ccctcctttg agtgaaaaag ggtcaatctc 180
 tggcc 185

<210> 13218
 <211> 351
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220145e06a1

<400> 13218

gtgccagcgt cagagagact catcagttct cactcgtaag gcgcttttgc tttgctttgc 60
 ttcattttctt tcacgtcat cataaagttc gttcctttct cagttttcac ccataccag 120
 atgagtaaca gcaccatctc ggatctgtgt cctcctttg agtgaaaaag gttcaatctt 180
 tggctctctgg ggctgttggg gttccgtcat tgaagaagaa gaagaagatg ggtattattg 240
 ctattataat catgtacccg aggctcatc acccccacga tgggattgtg acccacgatg 300
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<210> 13219
 <211> 519
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220145e07a1
 <400> 13219

gggtgatgca aaactttttt gcggcaatgg tgtgaagact ggctgccagg aggacacttc 60
 aagatctgag cagtctttaa ggagaagaaa tggtttggct gacttaaag aacctgttcc 120
 ggtggaagaa acatataatt ctccatagt tcacctactg aatcgtaatc cctgtcaagg 180
 ggcaactgaa tgctctgata tctctgtga tgctgcaaaa caaaagtcag acttttttgc 240
 tctgtctagg gagcaattgc tcaactctga tcatggaact gaaagttgga ctggaagtca 300
 tgaatatttg gagagctatg ggggcggaaa agggcggat caatcagtgg ctgagtcagg 360
 gctagctaaa agcaacacgc accctgttcc acaactgctc atatcagtat cttcccagac 420
 aatacatgat gcacttagca tagttcgtga acctgcattc gattatctac atggtcgaaa 480
 catggctgac atgtggaggg acaagacagt tagtgatta 519

<210> 13220
 <211> 165
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220145e08a1
 <400> 13220

gggtgatgca aaactttttt gcggcattgg tgtgaagact ggctgccagg aggacacttc 60
 aagatctgag cagtctttaa ggagaagaaa tggtttggct gacttaaag aacctgttcc 120

ggtggaagaa acatataatt ctccatatgt tcacctactg aatcg

165

<210> 13221
<211> 474
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmf102220145e09a1

<400> 13221

gaattgagtt gaaatcgaaa gggaagcggg ggttttaggtt aggatttggt gaggtagtgg 60
ggatggcgaa gttcaatgtg gtgcagaagc gaaggagagc tctaataagca gagaagaaga 120
gacagcttca cggagaccct ttaaccggca agctcaagat caaggaccaa ccccttttcc 180
tatnntaaa tntntntctc tttcctcttt tcttttctct tcttttttct tcttctctcc 240
tcctaaatgg tttggttaacc atggaagatg ttcaaagtcg agttgctgaa gcaggggata 300
ccaaagatac ccttagacct tcacaaaaaa ttcacttata gaagaaggcc ttgaaactta 360
aacagctcaa gcgcaaaggg aagaacacaa gaaaatctga tgtgcctgct gatgtttcgg 420
ctgatgcaat ggtggaataa atatgaaaag ttttgatata ctacatactt ggta 474

<210> 13222
<211> 556
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmf102220145e10a1

<400> 13222

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ggatggcgaa gttcaatgtg gtgcagaagc gaaggagagc tctaataagca gagaagaaga 120
gacagcttca cggagaccct ttaaccggca agctcaagat catggaccaa ccccttttcc 180
tatccgaaa acgcaaagc aagctcttca aaaaatggcg ccgggaccaa aaggacgcct 240
tacagaatgg tttggttaacc atggaagatg ttcaaagtcg agttgctgaa gcaggggata 300
ccatagatac ccttagacct tcacaaaaaa ttcacttaaa gaagaaggcc ttgaaactta 360
aacagctcaa gcgcaaaggg aagaacaaaa gaaaatctga tgtgcctgct gatgtttcgg 420

ctgatgcaat ggtggaataa atatgaaagt ttgatatcc tacatacttg gtagggtgga 480
 ggatagaaga ggccgatgtc tgatgggtata taatgttgca atcctcgagt gaatatgcta 540
 ttcctatatt ttcttc 556

<210> 13223
 <211> 581
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220145e11a1

<400> 13223

gcaaaactgat gatgttgtga agatttttaa gcaactcttg gatttgggca ttgttccaga 60
 tgtttacttc tgctgttggtc ttctgaatgt tatgactcaa acaccaaag aagagtttgg 120
 taagctaaca gactgcattg agaaggctaa tacaaggctt ggttctgtgg taagatattt 180
 ggtggaaggg caggagggtg atggagattt tagaaaggaa gcatcagaac ttcttaattc 240
 aattgatttt aaggtaaaaa agccgttatg caattgtcta attgatcttt gtgtcagcct 300
 gaatgcgccg aacagagcac gtgacgttct ggaccttgga ctgatgcttg agatatataa 360
 aaatatacaa tccagatctg aaaccagtg gtctttgcat ttgaagaaac tctcagttgg 420
 agctgctata accgcattac atgtttggat aaatgacttg tctaaggcat tggaatcatg 480
 ggaagacctt ccaccactgc ttggagttaa tactggacag ggaaaacaca tgtattcaga 540
 ccaagggttt gctagtgtat ttgaatacat ttgagggaac t 581

<210> 13224
 <211> 450
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220145f01a1

<400> 13224

catcactaga agacaagatc atcttttgtt tccccctgcc ctgggcgtgc tatatactgc 60
 aagggtagac tttaaatca accacagctc ctttctcga tcactttctt tcatgctttt 120
 tatgctttca acgagctccc ttacccac ttaattttac tctctactca ccattctttg 180
 tgtcaggcct aacacaattc aatctaactg accagtggac tctcatctac cacctatact 240

atagggccccg gtataaccct gtttcaactca cccctcattgt attgttccct ctgcatcaac 300
catcgacgtg cgacatgaga ccacgcatgt tgactacagg atgtcagcca agaccgacta 360
aagatagtc tcatcaaaga cgaaagtggg ctgttatggc tacaaagtaa tctgcactgc 420
agcatatgaa ggctatgaac ctgatgtgtc 450

<210> 13225
<211> 621
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmf102220145f02a1

<400> 13225
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aagcttccac tctacccttt tgcccaaccc atctcccaa aacctctcat ttctctcttc 120
atctccttcc aatggcttcc attcccacac tctcttcacc cctaccacaca atctctgtgc 180
actcctcacc ccattcaaac ccaaacaacc actgcactct ctctcccacc tctctcttcg 240
gcaccaggat caccctccta cgcgccacct catcgtctcg ttccctcccc aacaccaatt 300
gccgtgcgac atcagccacc gtgtcgttta gcctccccac cccgaaaccc ctttcagata 360
cgcttgagaa aaccccaaag tggtcggcga gggctataaa gtcatatgca atgggggaat 420
tggaagcgag gaagctcaag tatccaaaca cggaaccga ggcacttctc atggngattt 480
tggttgaagg aacaagtaaa gctgcaaaat tcttaagagc taatggaatt actctcttca 540
aagtacgtga agaaacagta gagctactag ggaaatctga tttgtatttc ttcagccctg 600
agcatcctnc attgactgaa c 621

<210> 13226
<211> 168
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220145f03a1

<400> 13226

ggccacacca gcatccatca ccaatgtcac tgtggtgttc cttcaattcc ccgcggtggt 60

gacacctcct gcctctacca aatcctatatt ccttggtggc gcaggggtga gaggggtgaa 120
tattgaagaa gaatttgtaa agttcacggg aataggtgtt tatttgga 168

<210> 13227
<211> 88
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220145f04a1

<400> 13227

gttcaggga caaccgaac actctctctt atataagcgc aacataatag atgaagaggc 60
cggtcaatac atagccgtcg aaaagccc 88

<210> 13228
<211> 185
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220145f05a1

<400> 13228

gcggcgcaca gaaccggttg aaggcttgaa gtctcacccc gacgccgtcg aaggtaagtt 60
accttcttta ttgttttcca aacgtttttc cgaagtcttc tagcactggg agaagagata 120
aaaacaagtg ttctgcgttt gcgttgctta aaccttagaa agagtttgat tttgacgttc 180
tcgac 185

<210> 13229
<211> 166
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220145f06a1

<400> 13229

gctagcttct tcgtctctct tcttcattc ttgcacatcc cctcttctct cttccttatt 60
gtcaatttca cctccaaacc ccaaaccctc tcaatttcta cctttcgtgg tcgaagccaa 120
agacaggacc cgcagggaag acaggaccgc tcgccacact cgcac 166

<210> 13230

<211> 322
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220145f07a1

<400> 13230

gtcttcttaa agaccaatgg ttaacgatgg ctctgatggg cggttttgct agaataaaca 60
ataatgagat cactgtttta gtaaagatg cggaagagg tagtgacatt gatccacaag 120
aagcacagca aactcttgaa atagcagaag ctaatttgaa taaggcggaa tgctaaactc 180
ctattctttt ctttttttta tctttcttcc tctttccctt catatcttct cttatctttt 240
ttctctttct acattctttt tttcttcaac tttttctttt ttttaataata tatctattct 300
ttttttttca atattttaat tt 322

<210> 13231
<211> 185
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220145f08a1

<400> 13231

ctctcttctt tccccctctt ttcgagggtt tttcttttcc ttttttccct ttttttattt 60
ttcctttatt taggtttttt ctttctcttg tttttcagtt ttgcttccat ttcctttgaa 120
tccccattta ttcttcttct tctgcaaccc taacctaga attgaagatg cagccttata 180
ggttt 185

<210> 13232
<211> 175
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220145f09a1

<400> 13232

gttattaaga gcttttgctt ttctttctgc gcgcttttcc caattaagta gttcttccct 60
ttctcaaagc aaaaaaatg ttcacgaga gtttcaaggt tgagagtcct aacgtgaagt 120
acacagagac tgagattcag tccgtgtaca actatgaaac cactgaactt gttca 175

<210> 13233
 <211> 527
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220145f10a1

<400> 13233

cggcgcggca cccacacaca cagttcgtcg gaatgggaag ggtgattcgc gtcacgcgta 60
 aggggtgctgg gtcgggtgttc aagtctcaca ctcaccaccg caagggtccg gcgaggttcc 120
 gcagcctcga cttcggcgag cgcaacggct acctcaaggg cgtcgtcacc gacatcatcc 180
 acgacccccg tgcgggcgcc cctctcgcca aggtggcatt ccgccacccc ttccgctaca 240
 agaagcaaac ggagctcttc gtcgccgccg agggcctcta caccgggcag ttcgtctact 300
 gcggcaagaa ggccaccctc gtggtcggca acgtgttgcc catccgatcc atccccgaag 360
 gtgccgtcat ctgcaacgtc gagcaccacg tcggcgaccg cggcgttttc gccagagcct 420
 ccggtgacta tgctattgtt ataagccaca accctgataa cgacacctct aggatcaagc 480
 ttccttcttg tgcaagaag attgtgccag tgggtgcagg gcgatga 527

<210> 13234
 <211> 578
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220145f11a1

<400> 13234

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 ggccatttac ttcctatggg agacacagca agactatttg ccaagcatgg tgtagtggt 120
 actattctca ctacccctgc tattgcttca acattccaaa atgccataga cagtgacttc 180
 aattgtggat atcacatcag aactcaagtg gttccattcc cttcagccca agttggtctc 240
 attgatggac ttgaaaacat gaaagatgcc actaccctag aaatgttggt taaaatcggg 300
 tatggactat caacgctcca agatgaaatt gagcttcggg ttcaagacct tcaaccagat 360
 tgtatagtga ctgatatgat gtatccttgg acagtgggaat cagctgaaaa actaggcatt 420
 ccaaggattt tcttttacag ctcatgctac ttctccaact gtgcttctca ttttatcagg 480

002200-03200

aagcatagac ctcatgagag cttagtctct gacagccaca agtttacaat tccctggtttg 540
cctcatagaa tagagatgac cccttcgcag ctagcaga 578

<210> 13235
<211> 400
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmf102220145g01a1

<400> 13235

gtgatgttca ctgcttgacc ctctttttttt acaacatctg acaaataatt cgcctcatga 60
ggatatttcac tcacaaagca caatgctgct cctgactttc ttagtccaaa taccttacta 120
catctatacn aaagggggcc ccatggcccg gtggcctagg gcaaggagcg tcaatttaat 180
gccatccatc accctaacaa tttaaacac cttatatatc ctaatcacac tctatcactc 240
tacacttatt tttctggtta tgcactgtgt aatggtataa ctcttatac ctctgcacct 300
acagatctga gttgcatag aaccttgaac gggcacccc caacggtgaa tatatctgac 360
tgtacatgtg aaaacactct gatggctgtt gcataccaag 400

<210> 13236
<211> 334
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmf102220145g02a1

<400> 13236

ggggtgttca cngcttggtc cgcttttttc tcaacctctg atacaccttt cgtagcatgg 60
gagatttcag tctcggagga aatggtcgca acagccttcg aatgccca caccgaattt 120
aactgtttct tatgggggtcc ccaaccacgg cttactgaag gcgacggacg gtgataaact 180
gcaacctatt actgttaagg cttctaacag tggttactgt ttcagcgcca tatcctgctg 240
gatactgatt aaccgtacta tgcacggcca caacggcgta ctctgccac ttccacaatt 300
atagaacgac gtggggccaag aagtagggga ggcc 334

<210> 13237

<211> 309
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220145g03a1

<400> 13237
 cacctttcct tttttccac agaaaaaac accaccttc tttttccgac taaagggttcg 60
 ccggaaaatg cctctatcct cctcttcctc ctccgccgta gactccgccg tctccggcga 120
 gatcatgctc tttggcgta gagtcgtggt ggactccatg cggaagagtg tgagttttca 180
 ccaccctctc tannatctct ctatcatttt tgagattctc acttaattta tcctttcaga 240
 ggaaatgcct tccgcgatga tgcagctccg atctactccg tcaagaaccg cgaccgcaag 300
 cgagggatt 309

<210> 13238
 <211> 174
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220145g04a1

<400> 13238
 cacctttcct tttttccac agaaaaaac accaccttc tttttccgac taaagggttcg 60
 ccggaaaatg cctctatcct cctcttcctc ctccgccgta gactccgccg tctccggcga 120
 gatcatgctc tttggcgta gagtcgtggt ggactccatg cggaagagtg tgag 174

<210> 13239
 <211> 171
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220145g05a1

<400> 13239
 caaaaaacgc gtttggtgtg tgtgttcgct ctcaccactc tcatgccact ggttaacgga 60
 ggcgatactt aaaacaagcg ttgggggggc ttttaagacgg cgtcgttttg tatgagacat 120
 aggatatcgt atttgatgga cgagatctgg gagagagcta tggaaacggc g 171

<210> 13240
 <211> 485
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220145g06a1

<400> 13240

caaaaaacgc gtttggtgtg tgtgttcgct ctcaccactc tcatgccact ggttaacgga 60
 ggcgatactt aaaacaagcg ttggggggggc ttttaagacgg tgcggttttg tatgagacat 120
 aggatatcgt atttgatgga cgagatctgg gagagagcta tggaaacggc gttggacggc 180
 gagatggacc acgcggtgtg tcggacgctt accctatatc tgttccgttt attgcttgta 240
 agttatttta tctttcttag tcttcttgag cggttccaga acctgctgca cctatcgata 300
 gcgaacgtct gcgtttcgtc gctggagcag tttccgcggc tgaggaattt gcagaagctg 360
 aacctctccg acaaccggat cgccagcggg ctggattttc tcgtgcaggc agtgctggat 420
 tcgctgcgcg acctcgattt gtcgaacaat cggattcagt acattgagga tctcgcgccc 480
 ctgcg 485

<210> 13241
 <211> 335
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220145g07a1

<400> 13241

agagaatgaa aaaattatct actcatttcc ttgaatgtac tatgccacaca atcccaaagg 60
 attaatacat aatcagttaa tcaccacat ttatcatgac atctgaagca tatgtgccta 120
 aaagatatga gtctctagag aacccttttg ctcataaacc gcgcggttag cgttctcttt 180
 ttttttctt ctctctcttc tcttcttttc tctttctctc ctctctttct cttcttctct 240
 ttttctttt ttctctctct tcttctttct cctctttttt ttttttctt tcttttctt 300
 tttttctct ttctctttt ttctcttctc ctctc 335

<210> 13242
 <211> 183
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220145g08a1

<400> 13242

agacaatgaa aaaattaatt actcatttcc ttgaatgtgc tatgcccaca atcccatagg 60
atcaatcaga taatcatata atgcaccacc atatatcatg acaactcacg aagcatatgt 120
gcctataaga tatgagggtc tagagatccc ttttgttcat aaaccgccgg gattgatttt 180
ttt 183

<210> 13243

<211> 200

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220145g09a1

<400> 13243

ctttgaagtt cacacacact tgttcacccc tgaaatggaa cacaacctca caatgaagtg 60
tcgtagaaat gaaaaccttc taaccagtgg cactcatttg ccagaaagcc ctcgagtacc 120
aatggagttt ctgtcaagat catggagtgc ctcttctctt gaggactcta aagcccttac 180
tactttatat ttctattttt 200

<210> 13244

<211> 427

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220145g10a1

<400> 13244

ctttgaagtt cacacacact tgttcacccc tgaaatggaa cacaacctca caatgaagtg 60
tcgtagaaat gaaaaccttc taaccagtgg cactcatttg ccagaaagcc ctcgagtacc 120
aatggagttt ctgtcaagat catggagtgc ctcttctctt gaggtctcta aagcccttac 180
acttacacca cctccacctc tttcttggtta cataccttcc aagcctccta atgcaccctc 240
ttctgtgact aactccattt ccgaagaaac ttcagaggaa ttctcaacca tgtgtggcaa 300
ccagttctct tttgttctct ctgccacctc acaacttgtc cttgaccgca taatgtcaca 360
gtccgcaaga gaggaagtgt ctccattaac gtcaggtaga ttgtctcata gtagtgaacc 420

tttgaac

427

<210> 13245
 <211> 410
 <212> DNA
 <213> Glycine max

 <223> Clone ID: jC-gmfl02220145g11a1

 <400> 13245

tgggaaaaaa tgggcgagct tacgatgcat gcactgtgat cttgctctgc tcccttacct 60
 cagctctgag ttcgagccga gcccatTTga tgtacgtcca tcggacctta ctttatgcat 120
 cgtctgtcat ctaggctaag cacacatgga atggcatcca ttctatatga tactatacaa 180
 atgcctcatg cattgtggac ttacgcttca cacgatgtgc gacacgagcc acataacaca 240
 cataatggca agtgggcttg gttggatttg gttgccacac aacgctgcct cattatctat 300
 tgctctcttg gttctgacct agtctgttac ttgcgggtga gataagcccc gatctctatg 360
 ctctgtaaaa catatgaaca tagcttgccg agagcgaccc agatttgtgtt 410

<210> 13246
 <211> 650
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220145h01a1

 <400> 13246

atgaacagga gttctgtact gcnatnanca aaaaataaaa attganaaaa nccccnacc 60
 aaaaaaanan anaaaaaann nnnanaaaaa nnaaaaaana aaanaaaaaa atTTTTTTTT 120
 ttnnatanaa nanaaaanAT aataattatg gggggggatt tataaattta atgttaagtg 180
 aattttaaag aataagactc ctaacattgt ccaaagacca attggacaga ttttaaccaa 240
 cagagtgcag tattgttgca tcactttcaa acgattatgt tgactcttat gttctgtcag 300
 agtcaagcct gttcatctat ccttataaaa ttatcatcaa aacttgtggg actaccaaAT 360
 tgcttctgtc catccctgtc atcctcaagt tggtgatgc tcttgacatt gctgtgaaAT 420
 ctgtgaggta cactcgtgga agtttcattt ttcttggggc acagtctttt cctcaccgca 480

gtttttcaga ggaagtttct gttcttgaca gctatttcag caaccttggc tctggtagca 540
 aagcttatgt tatgggtgac ctttcgaagt cacagatttg gcacatctac tctgcaagtg 600
 cacaaaccaa agggatcatct gaagttgtct atggccctga gatgtgcatg 650

<210> 13247
 <211> 617
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220145h02a1

<400> 13247

cgcattttct ttgtcaatga tacatatctt ccaagtgcc caccagctcc actacttagg 60
 tacagaaaag aagaattgga ggttttaaga ggagatggaa caggaagag aaaggacttt 120
 gacagaatct atgattatga tgtcctttaa tgatttgggc aatccagatg gtggtgatcc 180
 tcgccaatc cttggtgggt ctagcatcta tccctaccct cgcaggggta gaacaggaag 240
 agaaaggacc aggacagatc ccaacagtga gaaaccgggc gaggtttatg ttccaagaga 300
 tgaaaattct ggtcacttga agtcacgga tttccttaca tacggaatca aatccttacc 360
 tcacgatgtg atacctttgt tcaaactctgc catttttcaa ttaaggggtca catcgagtga 420
 gtttgaaagc ttctacgatg tgcgtagtct ctatgagggt ggaattaaat tgccaacaga 480
 tatactgagc cagattagcc ccttaccagc cctcaaggaa atcttccgca ctgatggtga 540
 aaatgatctt tcatttccac cacctcatgt agccaaagtt gtangtctgg gtggatgact 600
 gatgaggaat ttgctag 617

<210> 13248
 <211> 172
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220145h03a1

<400> 13248

ctttctctcg tttcccttc gcaatttccc ctctcgtaag agacacgcat cgaagaaaat 60
 cacatcacgg caatggagga aaagcacgca gcagccatcg aatccgcaca cgccgaatct 120
 aacggcgtct ctcacggcgc cgaccacggc tggcagaagg tgacctacgc tt 172

<210> 13249
<211> 157
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220145h04a1

<400> 13249

ctcatcttta gtctgttctt cagaacttta gtgtgttatg taacccaag actttgagaa 60
tgccgagctg ggtttgttga aatcgctgca actgtgaccg caactgcggt tagcacaagt 120
actattttga ctagagctat gtcgataaga caaccac 157

<210> 13250
<211> 439
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220145h05a1

<400> 13250

ctcagagagc acattgcatt ggcgacaccg tttgcgacga cggaaattga attgctcgtg 60
cgcggtgggtg cgtgatcgat cgaaggacga acgatgtcgg agatggcgag ccagatccc 120
gagggactcg acggagtccg catgacgtgg aacgtgtggc cccgtacgaa ggttgaatcg 180
agcaagtgcg tgatccctct ggcgggcgacg gtggctctga tccgtcccca ccctgacatc 240
ccccgcctcc agtacgcccc tctccggtgc aagacctgct gtcgcgacct caaccctttc 300
tcccgctcg acttcaccgc caagatctgg atctgcccct tctgctacca gcgcaaccac 360
tttccccctc actaccacgc catctccgaa accaatcttc ccggcgatct ctacccccaa 420
tacaccaccg tcgagtacc 439

<210> 13251
<211> 439
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220145h06a1

<400> 13251

ctcagagagc acattgcatt ggcgacaccg tttgcgacga cggaaattga attgctcgtg 60

cgcggtgggtg cgtgatcgat cgaaggacga accgatgtcgg agatggcgag cccagatccc 120
gagggactcg acggagtccg catgacgtgg aacgtgtggc cccgtacgaa ggttgaatcg 180
agcaagtgcg tgatccctct ggcgggcgacg gtggctctga tccgtcccca ccctgacatc 240
ccccgcctcc agtacgcccc tcttcgggtgc aagacctgct tctccgacct ctaccctttc 300
tcccgcgtcg actttaccgc caagatctgg atctgcccct tctgctacca gcgcaaccac 360
tttccccctc actaccacgc catgtgcgaa accaactttc ccggcgaact ctacccccaa 420
tacaccaccg tggagtacc 439

<210> 13252
<211> 174
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmfl02220145h07a1
<400> 13252

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gatgccgatc agaaacatcg ccgtcggaag gcctgaagag gcgactcacc ccgacacgtt 120
gaaggcggct ttgggtgagt tcattctcaac cttcatcttc gtgttcgccg gctc 174

<210> 13253
<211> 170
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmfl02220145h08a1
<400> 13253

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caagaattac ttgcaagtga aggctgttgt tacatccttg aagaaccag cttggctttg 120
aacatcatta gcttttagatt tatttgatga aaagattaat aaattggctc 170

<210> 13254
<211> 240
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmfl02220145h10a1

<400> 13254

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 ttcatcttctt tcacgtcat cataaagttc gttcctttct cagttttcac ccatacccag 120
 atgagtaaca gcaccatctc ggatctgtgt cccttccttg agcgaacaag gttcaatctc 180
 tggctctttgg ggctgttggg gtgtcggcct tgaggatgaa gaagatcaag ggtattattg 240

<210> 13255

<211> 525

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmf102220145h11a1

<400> 13255

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 accttcaact ctcttcttct tcttcttctc catggctttt tttcaaggta cgttgagtta 180
 acctctgctt gctctgtgtg attaagtatt ctgggcaacc cattaggaga acggaaattg 240
 gagtatagtg gcagagatag taattctgaa gtgttgttgt gatataata ctaattgtag 300
 ttctttccgc gtttgaaagg ttttggcgcc gtggagttcg tttttagca tcaccgtatc 360
 atcagcttca gcttgctttc accaaaacgg ctntactatt tgggtgtgttc catgtcacia 420
 aaaacgaaag gagatattcc ttttaccac tcctcgtcag ggaagatctg aagcagcgtc 480
 agcagcacac gtcctctaata ggacgccgac tcctctggag aagaa 525

<210> 13256

<211> 551

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220146a01d1

<400> 13256

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agcaacggga gcattggctc cttgtgagga ttgtgcacca catgatgagg ctgggggttg 180
 tgaatcaaca cctgggacta ggatgggttt ggcgacttgg agaatggaga tgtttagagg 240
 ctgctgggtg acggctctca tgagctcggt ggcgtcgact ggggcgccac tcacggccga 300
 gccgaaggcg atctcgctt cgccgacgag tgcaaccttg aggaagcctt gttggttcac 360
 tgcaatgcct gaggcctgga atagggttgt caactgttgg ctattagctt ggccttcat 420
 gagcttcttc tcatcaaaga agtcatggat gacatgggtg ctaatgatgg ccttaatggc 480
 ttctgggtgac tcgggcagca tggaattcat ggctgagtct tcaacggcga ggacagtgat 540
 ggtgttgagg c 551

<210> 13257
 <211> 414
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220146a02d1
 <400> 13257

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 tttgtttccc actatccaaa aaaaaaaca ccccccaac ccgaaaaag aaaagaatga 120
 atttctacce ctactttacc ctttatctta acccctttaa aagtagaaaa attttaaaaa 180
 ctacttaaat tcaagcccaa tgaccacccc ggggaactga aacaccaggg ggttttgttc 240
 ttacacaaac tatggcttct tttatcattg gcaggttttg gagaaccttt ttccctatat 300
 gatccactgc accaccgga ggggttgggc ccataccccc gggatggccc ttatcatata 360
 caaagatggg ctgcaccga tccatatttt gggggaacct gcctttctgc tctt 414

<210> 13258
 <211> 104
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220146a03d1
 <400> 13258

ttgtattttt ttttagatt tttttttttt tttttttttt tttttttttt tttccaaga 60
 atcttttttc ttttaaatat tttattgtca caaaattttt cttt 104

<210> 13259
<211> 471
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220146a04d1

<400> 13259

gacttaagtt aaaatgttca gatccatatg agcatatact tcgaaataag atgaatatta 60
caacaaaaag gcgattgaaa aatacgaatt acaataagca gtaacctaat tttaattcta 120
gatcacacaa tgaaacctaa ttttaagctc tctcgctctt gattctgcga gcaagttgaa 180
tatecttggg cataatggtg actctcttgg cgtgaatagc gcaaagggtg gtgtcctcga 240
agagtccaac gagataagcc tctgcggctt cctgaagcgc agaaacagcg ctgctctgga 300
aacgaagatc tgttttgaaa tcctgagcga tttctctgac gagcctctgg aatgggagtt 360
ttcggatcag aagttcagtg ctcttctggt actttctgat ctccctcaga gccaccgttc 420
cgggcctgaa gcggtggggc ttcttcactc cgccgggggc cggagctgac t 471

<210> 13260
<211> 116
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220146a05d1

<400> 13260

agcaataaat ttcatttcat ttcattccaaa taatggggac cttacaaagc tttcttattt 60
cccaaattat gctcacatta agaaccgaac attttaatat catttttctt aaattc 116

<210> 13261
<211> 537
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220146a06a1

<400> 13261

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tcttcaatct tcgtcttctt ccaagattgg ctcggtttgc agagttcccc tggcactttg 120

acaagccaag tgaaagagag aagaaaagtc aaagacaatg tcagggatca ttcacaagat 60
 tgaggagacc cttcatgtgg gaggccacaa gaaggaggag gagcacaagg gtgagcagca 120
 ccatggtgga gaatacaaag gggagcatca tggtgaacac agtactgaat acaaaggaga 180
 gcatcatggt ggtgagcaca agccggagca ccatggagga gaagagcaca aagagggggt 240
 cctagacaag atcaaggaca agatccacgg cgaggagggt ggcgccaccg ccgagggcga 300
 gaagaagaag aagaagaagg agaagaagaa gcatgaacat ggccatgaca gcagcagcag 360
 cagtgcaggt gattagatta tctcccactg ctgcatcacc tatatatctt ataagggtga 420
 tgggaccata gtagtgaggg ctgtgtcttt ctcttttttt cctacttggtc atttatatatt 480
 atgagcgaga gaaatagtgc gtgtatctgg ttgctaattc gaggctatt agtctgtggt 540
 ttcggttggt tgtaaccct ctggcttggt atgctggatt tgtatatatc cttaaagaaa 600
 taaaagaata aattattcat gcgt 624

<210> 13264
 <211> 490
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220146a07d1
 <400> 13264

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 tgaatttctt taaggggaaa tatccatccg ggaaaaccaa agcgaagggg gtacaaacca 180
 cagagagccc ccatctaaaa ggccccaaaa taacaaccaa taaccgccc tatatctccc 240
 ggcaaaaaat aaaaaagacc agggggaaaa aaaaaaaaag acccaggcct aaatacaagg 300
 ggccaaccc ccttaaaaaa aatatggggg atcccaccgg gggaaaaaat gaaaaccctg 360
 gcacaggtgc tggggcagac aagggcatag taaggactgt tgcatcccct atatatttta 420
 taatgtgcc ctaggaggg gggcccaccc ttttgcgggg ggaatcgtcc caaaaattgt 480
 ttagaaaccc 490

<210> 13265
 <211> 99
 <212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220146a08a1

<400> 13265

ggagactaga gtacgtacta cctagtcac tactgcttaa ttatgtacgt acgtgtctgt 60

tatttcactt ttataagtaa tgaatatgaa tattatgtt 99

<210> 13266

<211> 99

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220146a08d1

<400> 13266

aacataatat tcatattcat tacttataaa agtgaaataa cagtcacgta cgtacataat 60

taagcagtag tggactaggt agtacgtact ctagtctcc 99

<210> 13267

<211> 615

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220146a09a1

<400> 13267

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cgtcaaaaat tacttatctg actacggcta cattgaatcc tctgggcat ttaacgattc 120

tttcgaccag gaaataatat cagccattaa gacctaccag aatttttcca atcttaatgt 180

taccggcgac ctgaacaaac agcttattca gcaaatgttg tccatacgat gcggtgtccc 240

cgacgttaac ttcgactaca acttcaccga cgacaacatt tcctatccca aagccggaca 300

ccgctgggtc ccaaacagaa acctcacata cggttttctt cccgaaaacc aaatcccaga 360

caacatgact aaggtgttca gagattcctt tgcgaggttg gcccaagcct cggggacttt 420

gagtctcacg gagacaacct acgacaacgc cgacatccag gtagggttct acaattcac 480

taactcgagg attgaagtgt atggtggcag ccttatattt ttgcaaccgg attctagtaa 540

gaaaggggtg gtacttctga acgtaacatg ggctgggttac tttcagtga aacgccacac 600

615

<400>	13268
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<400>	13269
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6094

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agaggatgaa tcaactcgatc ttggtgaaga tgggttcaag ttcaacggtg gagacatggt 540
ttcttcaatc tgtgatgggt tgggtgaggga gcttgaagat gaagctgcta actactatga 600
tc 602

<210> 13270
<211> 459
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmf102220146a10d1

<400> 13270
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agaagatcat tactagctaa ttaattactt tgtgtaatgt gaatatataa gcctagctgc 120
tttttctaca gatcgacata ttgccaagta gtaaccaacc acacataaac gtcccatgat 180
tttaatttac aaaaagaggg gacaaaaaaa tgaaaaaata aaaactagta aatttttcat 240
ttttttcctc cttggatttc atcttgaacg catgaaaact atggtttttc actttctatc 300
ccccaccaa aaaaaaaaaac tagagaaaga gttgagactg caaaagatca tagtagttag 360
cagcttcac ttcaagctcc cacaacaacc catcacatat tgaagaaaac atgtctgcac 420
cgttgaactt gaacccatgt tcaccaagat cgagtgatt 459

<210> 13271
<211> 611
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<223> Clone ID: jC-gmf102220146a11a1

<400> 13271
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tagaaatagg agggacattc tgatcggtc tggaggactc tatggtgcta caacaagtct 180
cacaagtaac aacctgggt ctgcatttgg tgcttcattg tcgctccag atccaactaa 240
ctgcgttcaa ccggaccag aaaaagacc tttttgcca cccccct tcaaagacta 300

cgagctccct ccacacgatg acaagacatt accccttcga attagaccag ctgctcattt 360
 ggtcactgat gattacatag ccaagtacga ggaagccgtg aggcgcatgc aagaccttcc 420
 acctgatgat cctcgcagtt tcatgcaaca ggccaatgtc caccgtgcct actgcgatgg 480
 tcgcggttat aatcaaaagg gcttcgctga ctacaagctt gacgttcacg gctcctggat 540
 attcttttct tggcaccgct ggtatctcta tttctatgag aaaatcttgg ngaagatgat 600
 cgatgacccc a 611

<210> 13272
 <211> 519
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220146a11d1
 <400> 13272

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 ttccaaggca aataactaca acacactaat taagaaacaa caaatgacaa atagagtatc 120
 cccggagaaa caaacccctag cagtagcaca cacataattt agattttattc atcgtctacc 180
 tcaggataaa cacgctttat ccttacgtcc ttaattgtaa caggcttgtc tccatatatg 240
 ggagccagtg tgacagaaat actatcatcg tcttttggtta ctcccaagtc tttcaactga 300
 tacgttaatg gcaatttgaa agaagctctg gtgatgttga tatggttgac atgcggcgag 360
 tgaggcaaag tcacaaagct tcccgcacaa tctgaatcct gtgggtccaa ctccattatcg 420
 ccttggtcgt tgatgaacac atcaaacctc acaccatcag tgctatcgta ctcaacatct 480
 atcactaaca cctcttctac gccttcttct tcttcattc 519

<210> 13273
 <211> 458
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220146b01d1
 <400> 13273

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 tattttgaat gtagagacta aaacaaagac tatacagggt tagagatcta aacagtaatt 120

[illegible]

<223> Clone ID: jC-gmf102220146b02d1

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acagaaaatc	ccctgaaaac	gaagtctctt	gagtttcaca	caaaggatac	cctataaaaa	180
cctatatata	gtcctatact	gcattagcta	caagataaat	aaactccaca	tatgctttta	240
gcaggtttgg	tttcttgctg	tggattccat	caccaacatc	acgatcacia	ttcttgtagc	300
tgtattttaca	taaaaaggga	tatgaagggt	ttcagaagac	tcctgccatg	gaaggcaggt	360
cgtcgaagct	ccaaagggtc	atagggtttc	cagcagcatc	ctgagatgca	tcttcactga	420
gcaaagacgc	caatgcagca	tcagcccagg	cttcatcaag	aaaagaaggg	gtctcaaaga	480
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<223> Clone ID: jC-gmf102220146b04d1

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atttccatga tgattagtgg tacactgcta gaacgtacgt ttatggcctc atgagccctt 120

aagtgataag ggctatgcct tgtacaatca aagcatcggc taaaacttgg ttagcagctt 180
 gtgaaggatg gacactgtcc caaaacacat attgggttgc attagagcaa gttccttagtg 240
 attttggatt gcacaataaa gatgttgtct ccactatccc agtaccacag caacctttcc 300
 ttgcctccgc aaaaccaaatt tttgaagggg actgaacaag gtcatagaga ggtttgaaaa 360
 tatcaaagac tacaatctta agaccaggaa gttgcttttg gagatttgct gccactgact 420
 tgattttctg ttaaattgctt ggggtgtcatt gatgatcctc gagacacaac cttttttatg 480
 gaaactaaat aaa 493

<210> 13276
 <211> 540
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220146b06a1
 <400> 13276

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 tgtgaaatct tcaagtcgag aacaacagaa tctaaaatgc aaaattgatt cttgacatgg 120
 aggccctgat attcccaatg atacaaaatc cttgagcatg cccaagtggg atccaggaaa 180
 ggaagaagaa actactgctt cattggcact cataattgat ggaaccagtt tggtttatat 240
 tttatagaat gaattacagt cagagctttt cgaccttgca acttcctgta gggttgtgct 300
 atgctgccgg gttgcaccct tgcagaaagc aggaatcggg gatctgataa aaagccgcac 360
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 agatgttggg gttggaatat gtgggcaggg agggcgccaa gcaccgatgg catcaaattt 480
 tgctatggga caattacagt tcttggataa attacttcta gttcatggac actggaatta 540

<210> 13277
 <211> 337
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220146b06d1
 <400> 13277

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atggagccaa agagcacccc cttttgagcc cccctcataa aaaacgggat ccccaaggcc 120
caggagtaat acatactgtc cctagccccc tgtatatgct atacccccca ataacgggag 180
gaaccgggac actggttaacc ccccccaaca cgagggttttc caaacccgggg ggaaagttat 240
atccccatg ggtccattag gcggggccca ccaccggga tggttaacct accaaggcca 300
aaaaaaagaa caccggaggc ccaaaatctg ggcaccc 337

<210> 13278
<211> 99
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220146b07a1

<400> 13278

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tatttcactt ttataagtaa tgaatatgaa tattatgtt 99

<210> 13279
<211> 102
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220146b07d1

<400> 13279

aacataatat tgatattcat tacttataaa agtgaaataa cagacacgta cgtacataat 60
taagcagtag tggactaggt agtacgtact ctagtctccc tt 102

<210> 13280
<211> 581
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmf102220146b08a1

<400> 13280

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acacttccta gttacttccc tctgcagcca taatagaata accagcacca ccaaaggtga 120

ggcgtgttgg gtgagaagga aagagatgag actaatctac gactaagagg gaggacacac 60
 acacatcaaa agtgattgct caccaaattg gaggggcccc aaacgacgag cttacaatca 120
 gtctccatac tctcaagacc gacatcagtg gctctcaccg tgatcaatat tcaactccaat 180
 ccacgaggag actggatgaa cctatgaata tgccatgcaa acgacacctg taccgaactg 240
 cttttcccat gaatgaggag ctgacagggc aaaccctggt cagtgtgcac cggcctcctg 300
 gaccaattgc ttcttgaatg ctggactggg agactgatgc aggaagtgtg gaccactttg 360
 gtcattgagga tggactaacc gacccccgtg agtctgagac tttccgggca ttagacacgc 420
 atcatgggat ggaacatcag cttgctctat at 452

<210> 13283
 <211> 444
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220146b09d1
 <400> 13283

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 acaaaatttt aacaggggag ggcaagtggc tactcgccac aatgataagg caaatgtaac 120
 atataacccc caaaccagta atatatgata tgtgaaaaac aggtaaccga tcctaataaa 180
 tgcttttaat tgaagtttgc atccaatgta gatatgaaga ggtatatcga gacctctttt 240
 gcaccatcca aaaaattgtg gcataaacag cagaagaatt ccttgtaatg ggggtgatca 300
 ttttacagtc aagatcttga tgatagatgc actgcccaca cgatgcagtg ccaccactga 360
 atccccgttg tggcagagac ccttggcctt ggcattgttg atggcgaatt ctattgcttc 420
 ctcagatgtt tcagcatgag aagc 444

<210> 13284
 <211> 540
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220146b10a1
 <400> 13284

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gacagacaaa gatcgctctc atctctgttc aaatttcaat ttcaaactta gtattactcc 120
aaatttcaat ctctcccat tttcacttct aattttcaat tcccacttat ttcggaatca 180
cgctcactca ctctagacta gtattacccc aaatttcaat tcccactcat ccacctaggg 240
ttttctttcc cacttegaag ctatgctcaa tttcaattct tctctcgctc cgcgtttcgg 300
cgaacgaatg acgccgttct ggtgagcttt ggattcgttt cctttcgttc cccaacgcgg 360
attcgttgct ctcgtttctc acgcgattgt tggaggagtc gtatcgtgtt gcgtttgttg 420
accgaggagg ttcaattagg gtttctcgat tcggttttgt gatggggatt taggttttgc 480
gaacgttggg gttgttgttt ttgtggagtg ggaattcgtg aagctaaagg gatgttttac 540
tcacagntta ttttggccaa gaaaggccac tngcgactat atggatagct gcgcatttgg 600
agaggaagc 609

<210> 13289
<211> 574
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmf102220146c01d1
<400> 13289

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agacatggta gtgaggagag aattaaatta caccgtacat attataacat aagttaaaaa 120
agccaattag atcagtgatg gctgctttaa taaattcgca atgataaata aaagcactga 180
attacaagtc cttaatggca aagagaaaat atataactaa cactggctcg tgctttccat 240
ataaaactgc acactcttca catcttagtt ttctcagatc ctaactttac tttctcttta 300
tataaacact gaacaggaaa ggaaaccaca tcgctttgat gcacagagaa aggtagcctt 360
gaaaacctaa tccccgaaac agcgagaagg aaattttacc tatattaaac agctatgtta 420
gagggatgag aattagctct tccacatagt cttggttgca actaggattt tctccctgcc 480
atgtgattca ggttctctat tatatatggg gggctttcac cttactgtac gcacaacccg 540
agcttctttc tcaattactt caggggaatc cctc 574

<400>	13290
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<210>	13291
<211>	590
<212>	DNA
<213>	Glycine max

<400>	13291
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6105

ccttacaaca gaatcgacaa ttggtttgtt gctccgcaaa gaaaggccaa catatcattg 540
gaacacctcc acacacactt tccaacgttg aattccaacc actgtgcgtc 590

<210> 13292
<211> 566
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220146c06a1

<400> 13292

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tgggtcaaaag ttctgctttg ttgtaatggg aaatatgttc tgcacagact taaggatcca 180
tcggagggtt gattttaaag gttcttcctt tgggaagatca tcagacaaga tagaaattga 240
tgagagtact acgctcaaag atttgatct gaactacagc ttctacctgg aaccatcttg 300
gcgagagtct ttactaaagc agattgaaat agacagcaaa tttttggaag cacagcacat 360
tatggattac agccttcttc taggtgttca ctatagagct cccagcatc tacgttctca 420
cgtttcatac aaccaaagta gaagtgtgga tggattagca atgcttgagc aggaagatcc 480
tctagaggat gaagtattct atccgcaggc cttgttctag ttctcgaga ggagatgatg 540
acagtgttgt tggtggctca cacatg 566

<210> 13293
<211> 582
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220146c06d1

<400> 13293

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cctcattatt cacttgattc ctattaccac catcaacaag gtgcccacgt ggccacctac 120
tataaaaatt ctggagcaag catgaaaagt gcaatattca cactttctaa ataaacttac 180
tggttaaata taaccccaaa attatcttga ttaacctgtc gtcgcatttg gtggaaacac 240
cttctgaata aattccagga agcgatgcga atagaacgta ggggtccacag ctgagataga 300

caatgaatca aactgaagag atttataagc atgttcaatc ctcttagcca tgttgaagtc 360
 ctgcaatatg tcaatgatac caaggtacag caccacatcg tacacttcat gaaacatttg 420
 cttttcttgt atctgttttc ctgaaatctg atctgccctt gatggcatgt tcacaccaag 480
 ctgtatttgg agtcttgctg taccaggtag aagtagatcc accttctcat acccgcatg 540
 gaagcttgaa cccgctaccc ttatggtgag ccaacaacac ac 582

<210> 13294
 <211> 608
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220146c07a1

<400> 13294

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 gttaatccac cagactgtaa gattttactc actgatccgc ctcttaatcc ttccaagaat 120
 cgcgaaaaaa tggttgagac aatgtttgag aagtacaatt ttgctggagt gtttatccaa 180
 attcaagctg ttctaacatt atatgctcaa ggtttgctga ctggattagt tattgactca 240
 ggcgatgggtg tcaactcatgt ggttccagtt gttgatggct attctttccc tcatctaact 300
 aaacgaatga atgttgctgg tcgacatata acctcctatc ttgttgattt gctttcaagg 360
 aggggggatg cattaaatag gactgctgat tttgagactg tcagggaaat caaagagaag 420
 ctatgctata ttagttatga ctacaagagg gaatatcagt tggggcttga gaccactatc 480
 cttgttaaga attatactct tccagatgga agggcatta aagtatgcac tgaaagggtc 540
 caggctcccg aggctctttt cactccgaa cttatagatg tagaagggtga tggaatggct 600
 gacatggt 608

<210> 13295
 <211> 528
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220146c07d1

<400> 13295

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tctctcgaca gagtaaaacg aacatggaac agttagaaaa atttacaatt tactctttat 120
tcaacattat gccacatagt tgccacaatt cttgtttacaa aaacaagata caagaattct 180
cttggcgtac ctatcacaaa aacataagtg tgtatacaat cacaactagc ctctagtagc 240
catagggaca gctatacaag gccagcagca attaatgcaa gctatttttag gaggaggcag 300
ttttaacagc tttgaatatt catcactcag cctctgggtgc gcttttgctt cccaaaattg 360
atatcccatt ttcagagcga tcatggacct caaagtcag cctggccaca cctgcttaga 420
caagcaattc ctttttctag ataatcttcc ctgttaatcc aaaactctgg tgcattcttc 480
attattcctg caagcacagg accttccagg tataccatgt gctttcta 528

<210> 13296
<211> 612
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<223> Clone ID: jC-gmfl02220146c08a1
<400> 13296

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ttgattcctc aattgcgcgc tcatttggtta gttctttttt tttttctctc caattttctg 180
gaatattgtg atgatttatg aatctgcctt taaaattatg acgcagcgta atgggcccctt 240
cttgattggt tttttttttc tgccatttcg gcagtgttta aggttctaga aaagggttcg 300
gaccaaagca tagaggtttt aggtttttat agtgccagtt cttttcactt gtggcattag 360
ggttttttgtg acgtttgggt gaagactttc tgtctccatg gatctttcag accttaattc 420
cgctgaaatg cagaagttct actcttaggt aagcaagttc aactccaaa ttccatttcg 480
aaacttcacc agcttcaacg ctgcacactn tntttctctc tctctctctc tctctctctc 540
tcaaacattc gctggtatgt gagattgaaa aaaagacagt gagttttgag cgcaatgcaa 600
ctcttaatga ca 612

<210> 13297
<211> 427
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220146c08d1

<400> 13297

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ttggggccccc aaaattgttc ctagggcgct cgcaccccg ggggccccca aaaaagccc 120
tttataaatt ctgcattacc gcccccataa aagaaactgg gggtaaaagg aagactcacc 180
gggatgggga aaattagaca ggaaaaaaaa aaaagacagg gaaaaaagt ttaaagtttt 240
agggtccgct ataggaccgg tagcccctag gatgggaaat tcgggggtcc cagggtccc 300
caaaaaagcg gggcccaaaa aggggggggg ggcccaaaa aaaagggcc ccctgggggg 360
cacaaaccaa tttcccccaa aaaagccggg gccccttta aggggccccg ggggacactt 420
aggcccc 427
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<210> 13298

<211> 615

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220146c09a1

<400> 13298

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gattcaccca aaacccgaca acccacacat ggggaagtac atgaagaagt ccaaaatcgc 120
cggggacgtc gccccgtga tcatggaggc tccgccgcgc cactcccacc tcggcgctccg 180
caccgcgcgc aagactctcg ccctccagaa tacctccccg gactcctccg cctacctcca 240
gctccgcagc cgccgcctcc tcaagctccc ccctaccccg ccgaaaaatc cccgccgctc 300
cgccgccgaa accgcgcgca attcccgcct cgccaaaacg acgtcgtccc gtaacgccga 360
aaagttcgca tctttcgatg acgacaacaa tacogaatgc tctttcggcg aaaatttctt 420
agacgccgaa cccagggagg aaaggagcac cagggaagc accccttgta gttttataag 480
ggactcaaat gccattcata ccctgggttc aaccacaagg ccaaggactc gccaaataat 540
ccatgagcac atccaaagaa acattccaac ggcttatgag atggaagagt tctttgctta 600
tgccgagaag cagca 615
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<210> 13299
<211> 465
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220146c09d1

<400> 13299

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caactagat ataccatata ccccccccta caccctacag atcagaaaga cactactaaa 120
ctactaatcg gatattggaa atttctaaac agatcctttc ccttgtagct tgccaaacaa 180
gagcctcaag caatctaaat ggttagccaa agcttcttct agttgttaaa attaaaatac 240
aagtctaattg gctcttgaaa tcccatatta tcaccatattg acactcctag tggagtactg 300
ggaccctctc gtaccgttca ggcagaggta cttcattgac aatgtcgaaa ttgtacttgt 360
ccatcaatat tgtagttgc tgcttctcgg cataagcaaa gaactcctcc atctcataag 420
ccgatggaat gcccttttgg atgtgctcat ggattatttg gcgag 465

<210> 13300
<211> 495
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220146c10a1

<400> 13300

ctcgatccca ttttaacaca tacacttctc tttatctgtg tcggatcgca tgaacagcac 60
ttggaggagg aagaagatca ccaccgtgcg ggtgctagtc gtggaccaa tctgaagaga 120
cggggcgggg ggggtggact gtttctctgt gaccctacat gaacaagagt ccatggaccg 180
tgaccattca cctgtgacta gacaattttt tccggcgga gatgctgacg cggcgggtgc 240
caccttcggt ggtggaccg gtctcacctc cacgatccct tgtgctcact ggctacgtgt 300
gaaattttgc cactcatatt cactttgcac cggaatatca tgaggggaag tttttctccc 360
tatgaagaag agtcgtcgag gaccatagtc aatgagctct cagtttagag gagtcaccct 420
ctaccatata acgggccgct gggagtctca tatatggcat tggggaaaac aagtgtatct 480
atgtggatct tacac 495

[illegible]

<400> 13301

<210>	13302
<211>	330
<212>	DNA
<213>	Glycine max.

<400> 13302

6111

<400> 13303

<210>	13304
<211>	452
<212>	DNA
<213>	Glycine max

<400> 13304

6112

taggagctaa ccactgtaaa caaaacccaa tg

452

<210> 13305
<211> 510
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220146d02d1

<400> 13305

ctcaaactct attttataga aggcgtccaa attgtacgca tatgcgtata ttccctctca 60
tgcattgtctc ccacaattaa ttccaccttg aaccagctat gcacagaaga caaacgcaca 120
tgagacgaga atcacagcgc aggaatatct aattttacaa agcaatgctt cttcttctat 180
acacaaataa taactctcgt gcacaaatat atataacatc aaatcaaaag aaatcattca 240
aatccatcta cataactggc tacatccaat accatataca tcatatatat accccctccc 300
caacttttat gaaccctata agtaaggaag ctaactgaaa tctctgcagg tataacccta 360
tactactatc caatctttac agggagctag caaccctcc cattccagga attgcagtgt 420
acaaaaatca cggtagatct cataattagt gactgcatat gcatgtgcat gttatatatg 480
tgaaaacaac aagaccctct ccttttcttt 510

<210> 13306
<211> 554
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220146d03d1

<400> 13306

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aattacataa aaaaatcata ccaataatta tttgtaacaa cccaacttca ttacaagttt 120
attatactaa tacaaccccg atactttaaa gtcctatgaa aatacgtgaa atatgcaagc 180
attcgatcgc ataatatcca ttaccataac ataaaagagt taagccttgt gtctttacaa 240
aactaaaaag agccataaga tgaaaaacaa tgtcttaacg tttgttgaca tggctttgcc 300
tttttatggg cacaactttt caaattaaac ttcagtggat ggcaaggga ccaacctacg 360
atattcagct agagcccaca ttggataaat attcctgtac attgggtaat gcagcatgca 420

cgtactattg aatactccag cgagttcctg ttgaggccaa tcaccctctt tcaactgata 480
aatgatgagc aattttgcag cacggtgaag agaagtagta tctctctctg cctgtccagc 540
aagaatttga ccca 554

<210> 13307
<211> 450
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220146d04d1

<400> 13307

gatatgattc aagaaacaac ttttaaactt aaattggtga tcacaatcat tccacatata 60
acaaaagatt acaaaggttc aaccattat aataaccatc cataattgaa attctaaggg 120
ccctaacaaa gataagcttg ttctacaaat ggagaccaat atgatctaaa agagtagttt 180
aatggccgca attgacataa actacattct attgggaaga aacttgctgg gaaaaatatt 240
gaagatcttc aaaaggttta tcaaaatcat caaacctttt gccagccctt tgaaaccctt 300
tacgtacaat atttgttacc cggtgaatc catcttgtaa accttgogtg ctagagaaaa 360
ttcaaattaa cctatcacta tcaggagtta cttgaggtgc ccaagggtga ctaccttgag 420
gcttttcagc actttctgag tcaccacctt 450

<210> 13308
<211> 272
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220146d05d1

<400> 13308

cttgatatat ttttttttct tttattattc attttgcaaa aaaaaacacc ccagaaccg 60
gtgatcacgt ggacgccttc taaaaaaaaat ctggtgcaag caggggaagc cccaagggg 120
ggctttccct tttaaccac aagacaaaaa aggggcctaa acccaccctg ttccacacg 180
gggtgggata aggcggaccc accttccgaa aaaaagccct gaaactacgc caattgaacc 240
tagggggggc aaatgggagc cccctgaac gg 272

<210> 13309

<211> 621
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmfl02220146d06a1

<400> 13309

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atcagaccct cccaatacac cgtctccgac ttccacgcag aattgcacga ttcattgatt 120
tcaattttca agtcttgagg atttcgtttc aacagcgctt caatttgacg cagaaaaact 180
gagtcaaacc aattctccca gagttcgtga cttggattct caatttatcg ttcattccga 240
atagaatttg aaactccgaa gaaaactgca ccgaacactg aatctcagtt accgaggagc 300
ttctttctacg aaccgtgctt aattccacac agaaacaccg agtcaaactg gttcgtgctg 360
tgttcgtggt tcagattctc aatcgaaatt tgaaattcag aagaaaaccg caccgaacac 420
agaatttcag aatctgaaca agtttctttc gttaacagca cttcaacttc acgtggaaca 480
agaatcaaac cgtttcgtgg ttccgattct caattcctcg tncattogca atcgattntc 540
aaattcccga gaanaaccgc tcgaacactg aatttcagac tcttgacagc gaacagtact 600
tcaagtcacg ttggacgagt c 621

<210> 13310
<211> 415
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220146d06d1

<400> 13310

aaaagaccta ttattattta tttatatttt taaacaaccg gatcggactt ttttggtagc 60
aatcactta attaccaatt tggaacttac atttctttta acctaccaat tagaattatt 120
attattatta ttaccttagg ccattttcct ggggcttccg ggattggaac ccagcccggg 180
attaaccggg ccaaccttta ttggaccaac cggcacttga tggaaaccgg gaaaaccggg 240
cccctggtcc tgggtgcctta agaattcacc cgggaaccacc agcttacctg gacctttgga 300
aggcccgggtg ggagccttgg taggaagaag gcccttctcg gcacgcgcgc gcaatggctt 360
cttttccttc aattcttggga agcccctgaa ggaacccttg gaaaggttga cctaa 415

<210> 13311
 <211> 567
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220146d07a1

<400> 13311

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 ttgattcctc aattgcgcgc tcatttgcta gtctttttt ctattcctat caatttctctg 180
 gacaatcgcg atgactcatg aatcggcctt ccaaattatg acacaccgta ttggggccctt 240
 cttgattggg ttcttctttc tgccatttcg gcagtgttta aggttcttga aaaggctttg 300
 caccaaacca tagaggctgt aggggtttat agtgccagct ctttctctct gtggcatatg 360
 ggggttttgt acgctcggtt gaaaaccttc tgtctccata gatctttcag accttaattc 420
 cgctgcaatg aagaaaatct actcttacgt aaacaagttc acactccaaa ttacatttgt 480
 aaactccacc atcttcaacg ctgcacactt tgtttgtctc tctctctctg tctatatcta 540
 tgaatcattc gctgggtctgt gagattg 567

<210> 13312
 <211> 143
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220146d07d1

<400> 13312

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 gactactcgc cggccgcctt tttttttttt ttttatcttt tttttttttt catttcttct 120
 ttttttccct ggggtttttt ttt 143

<210> 13313
 <211> 567
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220146d08a1

<400> 13313

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 aaaagattag gaaattttaag gaatcagctt ggaaatgtgt ttattatctt tcagctgaga 120
 ttcttgcttt gtctgtaaca tacgatgaac catgggtttac aaatactaga aacttttggg 180
 tgggcccagg gacccaggtc tggccagatc aaaagatcaa gttgaaattg aaggcagtct 240
 atatgtacgc tgctggattt tactcatact ccatttttgc tttgatattt tgggaaacga 300
 ggcgctccga ctttgagtg tccatgagtc atcatgttgc tactgtaatt ctcatgttgc 360
 tgtcttacat tttcagggtt gcacgtgttg gatcagtggt tttagcactt catgatgcta 420
 gcgatgtgtt tctggagata gggaaaatgt ccaaatacag tgggtgctgaa actatggcta 480
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 tctggattct ttggagtaca agctatg 567

<210> 13314
 <211> 479
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220146d08d1

<400> 13314

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 gtttctcca aaccttttagc tgatacaatg aactagcata aagaagaaaa acttataagt 120
 ttctagttta caatataatt atggacaaac tgactctttt ttatagaaaa aaataaaata 180
 aaatatggac aaactgactc ttttttatat aaaaaataaa ataaaatatg gacaatttaa 240
 cataaaataa atccacataa catacgacaa tattcatcat gtttgagtgt aaaaccattt 300
 gccatcattt taaattcacc tttgcctaaa gaatacattg cgcttttgct tccctactca 360
 atcttcatgt tcatattcat cttctgaatc agatcgaaca tgttcactaa cttatcctct 420
 tgcttggatt tgtttaacaa gcattcgaaa tatagcacc accaataaat atgcataac 479

<210> 13315
 <211> 560
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220146d09a1

<400> 13315

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ttatatatat atcgggttatt attaattcca ttttcacgta atgggcaact acgtttcatg 120
cactttggcg cctcctttca tgaagaactc caaggccacg agggcatca tccccaccgg 180
tgaagtgaat caattcatag agatcgtgaa ggctgcggag ctcatgctcg aacaccccag 240
ctatttcctc ggtaattctc gttctttgca tataggaaga agattctctg ctctcgggtgc 300
tgatgaagag ttggagtctg gcaacgtgta tattttcttc ccaatgagga gagtgaactc 360
cgttgtcacc cccaccgaca tggcgggtact ctttttggcc gccaaactccg ccgccaagag 420
attgtctggt ggaaaggcac gtgttctccc ggacaactgc gacggcggag catggcaaca 480
taaagaagag agttcaaaag atggaagttt aagtgagatt ccaaggttga gtttggaagg 540
agtcgagtca gggtttcagt 560

<210> 13316

<211> 591

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmfl02220146d10a1

<400> 13316

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tcattcacia ggacggaggg agaccgatta atgatgagaa agccgacctg aaggatggat 120
ggagcacaat aggtgtatct gcacccatgg cgggagagat tcaaaggggg acgcatcatc 180
ggatgaacaca gtacctgatt cctaaggagg agcatattcg tcctggagct caaccctgga 240
tctccatgga agaaaacaga cctctaaggg gttcctagac gagatcaaag acaggatcca 300
ctgccaggag gttggcccca ccgccgaggg ctgaaatttt aacaataaga agcacttgat 360
cacgcatgat catgggcagg acatgctgta gcctcttgaa acagagattt caatatctcc 420
cagctgatga gctcttatat ttcattgtgag gcgtattgca ccatagcggg gaggggtgag 480
acttagatat tgtttcctac ttgacattta tatttatgag ccagagaaat agtgcgtgta 540
tctggttgct aatacgagtg ctattactct gagttttcgt ggtttgaacc c 591

<210> 13317
 <211> 535
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220146d11a1

 <400> 13317

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 ttgctgacat tttcatctcc cagaatgtgg tcagcttgag caggtccggg attgagaatt 120
 tggcgaaatt agagaaccga aaagaacact ggcttgttgt gctctatgca ccatggtgcc 180
 gcttctgtca ggctatggag gagtcgtatg ttgatctggc agagaagtta gcaaggtcag 240
 gagtgaaggt tgcaaaattc agagccgatg gacagcagaa ggaatatgca tagagtgaac 300
 tgcagttggg aagcttcccc acaatacttc tctttcccaa gcactcttct caaccaatta 360
 agtacccttc agaaaagaga gatgttgatt cattgacggc attcgtgaat gccttacggg 420
 gatggtcaat tgagtatctt gctcaatgtt ccgtcgtacc ataccggcga taaatttctt 480
 cacagattcg ggcaattcac tgaaaatggg aatggcagtn tttgatagca aaacg 535

<210> 13318
 <211> 577
 <212> DNA
 <213> Glycine max

 <223> Clone ID: jC-gmfl02220146d11d1

 <400> 13318

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 tactcatcta acaaaacagg aatcacatc ctctcatag aatgactact acaattatat 120
 ttgtgaggaa ggttatctaa atctatacag ggatactgct agctgagaat cttcgttctg 180
 ctatcaaaaa ctgccattcc cattttcagt gaattgccc aatctgtgaa gaaatttatt 240
 gccggcatgg tacgacggaa cattgagcaa gatactcaat tgaccatcac cgtaaggcat 300
 tcacgaatgc cgtcaatgaa tcaacatctc tcttttctga agggacttta attggttgag 360
 aagagtgctt ggggaagaga agtattgtgg ggaagccttc caactgcagc acactctttg 420

catattcctt ctgctctcca tcggtcttga attttgcaac cttcactcct gaccttgcta 480
acttgtctgc cagatcaaca tacgactgca tcatagcctg acagaagcgg caccatgggtg 540
catagagcac aacaggccag tgtccttttc ggtctct 577

<210> 13319
<211> 396
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220146d12a1

<400> 13319

agcacactca aaccctatca gcggaacaaa cccgcaacaa cccaaccgac cataaaacag 60
ctgttccgat gtgatcactg ggagtaaaaa ttataaatga cccgcccaca agatgcaatc 120
cgagcattct ttcgttcttg aaacgcttct aggatgattt cgcccaaagg cccaagaacg 180
tcttcacagc tggcgacaat agtacatgct tttgaagcca ccgtggatga aaggctgaaa 240
aaacttattc cccaagctt ggatgacatc ctacacctga cttggatggc tttgtgctag 300
caggcactgt gtaagagtca taatgacttt ctaacccccg agccacagac tgagcttact 360
ggacctgagt gtgatgagaa acggatagat gagtac 396

<210> 13320
<211> 374
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220146e01d1

<400> 13320

gggccctttt ttttgtattc accagtctct gcttcgggct cgggatctgt gcgcatccat 60
atcaggcgcc acacatgttc tcgcatgcc gatctacttt gaggcacgat gagcttgagg 120
atatgctggc ttggctctag agccatactc actgtgcatg gcatcccatt tgaccggcat 180
gacgccaaga ttgctttgtt tcgtacatct atacgccgct tgaacgggag gctgcctaga 240
ctttctctct cggccatgtg gaccactgca cattgtctgg cgcttgcaaa ggatgtgtga 300
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cttgccgaga acgt 374

[illegible]

<400> 13321

<210>	13322
<211>	500
<212>	DNA
<213>	Glycine max

<400>	13322
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<210>	13323
<211>	502
<212>	DNA

<213> Glycine max

<223> Clone ID: jC-gmfl02220146e04d1

<400> 13323

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gaaaataatt tcttaggagt tggataccat tctatgaaac taatgaaatt tgcagatagc 120
tatggaagaa tggatctatt ctattaaggt aactttcaac tgaattatga aataacaatc 180
ctgatgaata ataaaaaag actatctaaa atatagggca atgatatcac caaataacca 240
ctcaacatgt ctaagcagaa cggatatgat atatgaaact gctaaatcct gcaggatctg 300
gcagaaaggc tggctcctga atggaggcca gagcaaatga ttatgattaa agttgataac 360
ctaacaacct aatcccactg aatctctgtg taaaaggcc actcagaagg attcagcgta 420
gttttcccat cagcagctac aagatcatat ggtgagtctt ctgcaaattc agtaggcatg 480
gatttccagt ggaggcatgg ct 502
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<210> 13324

<211> 560

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmfl02220146e05a1

<400> 13324

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ggcgccttcg tcggcggcaa catcaccttc ctccgcgcgt cgtctacgtc atcgcccgct 120
cctgggtcat cgcgcctccc tctcctggcc ttcgtcaccg cctccactgt tccagcattc 180
ggactctccg ctggagttgg agttggcaac gccttgggtgt tggagatcgt gatgaccttc 240
ggtctggtgt acacggtcta cgcaactgcc attgaccca agaagggtaa tttgggaatt 300
attgctccca tcgccattgg tttcattgtc ggcgctaaca ttttgttggg tggggccttc 360
tctggagcgg ccatgaaccc cgctgtgaca tttgggcctg ctgtcgtgag ctggacctgg 420
accaaccact ggatctactg ggccgggcct ctcatcggtg gtggaatcgc tggccttgtt 480
tacgaggttg tctttatcag ccacaccac gagcagcttc caccactgac tactagaggg 540
ggggaaatga naaataaaaa 560
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<210> 13325
 <211> 498
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220146e05d1

<400> 13325

gacccgaata atgatactac attcaattca attgttgtgg accaagtgag agagagagag 60
 catgcacaaa atgataataa tttaacttta aagagaactt catgatcatc aaccatccaa 120
 ggatttaaga ctaaaggaac aagtacaacc ctcgaaagtg aattaggaag aaaacacatg 180
 gaaggaaaac catacacaga agaagattcc agagaaattc aataatacac aatttttttt 240
 tttttatttt catttcccc cctctagtag tcagtgggtg gaagctgctc gtgggtgtgg 300
 ctgataaaga caacctcgta aacaaggcca gcgattccac caccgatgag aggcccggcc 360
 cagtagatcc agtggttggg ccaggtccag ctcacgacag caggcccaaa tgtcacagcg 420
 gggttcatgg ccgctccaga aaagccccac ccaacataat gttagcgccc gacatgaaac 480
 caatggcgat tggaagca 498

<210> 13326
 <211> 606
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220146e06a1

<400> 13326

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 ggcgccttcg tcggcggcaa catcaccttc ctccgcggca tcgtctacgt catcgcccag 120
 ctctcgggt tcctcgtcgc ctccctcttc ctggccttcg tcaccgcctc cactgttcca 180
 gcattcggac tctccgctgg agttggagtt ggcaacgcct tgggtgttga gatcgtgatg 240
 accttcggtc tgggtgtacac ggtctacgca actgccattg accccaagaa gggtaatttg 300
 ggaattattg ctcccatcgc cattggtttc attgtcggcg ctaacatttt gttgggtggg 360
 gccttctctg gagcggccat gaaccccgct gtgacatttg ggctgtgtgt cgtgagctgg 420

acctggacca accactggat ctactgggcc gggcctctca tcggtggtgg aatcgctggc 480
 cttgcttacg aagttgtctt tatcagccac acccagagc agcttcccac cactgactac 540
 tagagggggg gatatgaaaa taaaaaana aaatgtgtat attgaattct ctggatctct 600
 tctgga 606

<210> 13327
 <211> 531
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220146e06d1

<400> 13327

gacccgaata atgatactac attcaattca attgttgtgg accaagtgag agagagagag 60
 catgcacaaa atgataataa ttttaacttta aagagaactt catgatcatc aaccatccaa 120
 ggatttaaga cgaaaggaac aagtacaacc ctcgaaagtg aattaggaag aaaacacaag 180
 gaaggaaaac catacacaga agaagattcc agagaaattc aataatacac aatttttttt 240
 tttttatttt catttcccc cctctagtag tcagtgggtg gaagctgctc gtgggtgtgg 300
 ctgataaaga caacctcgta aacaaggcca gcgattccac caccgatgag aggcccggcc 360
 cagtagatcc agtggttggt ccaagtccag ctcacgacag caggcccaaa tgtcacagcg 420
 gggttcatgg ccgctccaga gaaggcccca cccaacaaaa tgtttagcgcc gacaatgaaa 480
 ccaatggcga tgggagcaat aattcccaaa ttaccctttc ttgggggtcaa t 531

<210> 13328
 <211> 452
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220146e08a1

<400> 13328

ggccacagtg tgcttcccaa gagcacaaat gatgcaagge tcaaggaaaa ctttgcctc 60
 tttgattggt ccatacctgc agatttgctt gccaaacttct ctgacattaa gcaggagaga 120
 atagttactg gagatggttt tttagcaaga catctcccgg gtacaaaaca attgaagaac 180
 tctgggatga gtaatggaca gtttccatat tggccacatc cccccctctt gcttaatgca 240

aaaatgagcc tatctttatg attattgtaa taatctacga tgtgtttata attttggact 300
 tgagatgtgt caagggagat ttcgagttta cattaataac gtgtcatttt ggaattcagt 360
 tgtttgagtc ttgaccttat tgtgtgtttg acaaaactat tgtagaagt ctaatatcgt 420
 ttagatcgga aaatgttagt tattaatatg tt 452

<210> 13329
 <211> 453
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220146e08d1

<400> 13329

aacatattaa taactaacat tttccgatct aaacgatatt agacttctaa caatagtttt 60
 gtcaaacaca caataagggtc aagactcaaa caactgaatt ccaaaatgac acgttattaa 120
 tgtaaactcg aaatctccct tgacacatct caagtccaaa attataaaca catcgtagat 180
 tattacaata atcataaaga taggctcatt tttgcattaa gcaagagggg gggatgtggc 240
 caatatggaa actgtccatt actcatcca gagttcttca attgttttgt acccgggaga 300
 tgtcttgcta aaaaaacat ctccagtaac tattctctcc tgcttaatgt cagagaagtt 360
 ggcaagcaaa tctgcaggta tggaccaatc aaagagatca aagttttcct tgagccttgc 420
 atcatttggtg ctcttgggaa gcacactgtg gcc 453

<210> 13330
 <211> 306
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220146e09a1

<400> 13330

tgaacattca tcttcaattt tgtcttattt ttcttcaaga agagagtctg ttgcttactt 60
 gaagcaaaag ctgacaggta gtaggaagtt ttatatcgaa gggaaaagag tgcgattggc 120
 atcaaagaga agctgaaatt ttgatacttc tttttcttgg cctcttctaa ttcattatat 180
 tttaggagag aaagggggca gtttgaatt tagtctaagg taaatttgca ttggtagct 240
 ttatcaacgt atgttgtagt attaaatagc attttatgaa atttaataat tttttctttt 300

aagttt

306

<210> 13331

<211> 306

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220146e09d1

<400> 13331

aaacttaatt taaaaaatta ttaaatttca taaaatgcta tttaatacta caacatacgt 60

tgataaagct aaccaatgca aatttacctt agactaaatt ccaaactgcc ccctttctct 120

cctaaaatat aatgaattag aagaggccaa gaaaaagaag tatcaaaatt tcagcttctc 180

tttgatgcca atcgactctt ttcccttcg atataaaact tctactacc tgtcagcttt 240

tgcttcaagt aagcaacaga ctctcttctt gaagaaaaat catacaaatt tgaagatgaa 300

tgttca 306

<210> 13332

<211> 572

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmf102220146e10a1

<400> 13332

aggcacttag cactacttca atatcttctc tcaagtcttc acttggtctt gacaagtctg 60

agtgggtgaa gggacaaaca cttcgccaac cttctgctgc atcagttgtg agatgcaacc 120

ccaccacccc atcaggcctc acaatcagag ctggttccta tgctgatgag ctcgttaaga 180

ccgcgaaaac agtggcttca ccaggagggt gtattttggc catggatgag tccaatgcta 240

cctgtgggaa gcgtttggct tcaattgggc tagagaacac tgaagctaac cgccaggcgt 300

accgtaccct ccttggtgaca gttccaggac ttggtcagta catctctggt gccattctct 360

ttgaggaaac tctctaccaa tccacaactg atggcaggaa gattgttgac gtgctcctcg 420

agcaaaacat tgttcccgggt attaaagtcg acaagggttt ggtaccctt gctggttcca 480

acgatgagtc atgggtgcaa gggctctgatg gtcttgcttc tcgcttcgct gcatactanc 540

cagcaggtgc ccgtttcgcc aaatggcgta ct 572

<210> 13333
 <211> 606
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220146e10d1

<400> 13333

aagtacacaa ttcacagcaa aaaggtttat aagctgtaaa ggtacatgta accataaaca 60
 aaaatagtct ccaagactat aaaaacatta catttttagac aaattagtct tcttccactt 120
 gatcctccgt caacacctac tacaactgct ggtgttgctg ctgcctaaca tgtatcatat 180
 tcactacaaa catcttagta ggagtagcct ttgacgaaca actccttctt ggcttctctca 240
 gattcacctt caccggtgta cttcccaagc tgggcgagcg agttggactt ggcacggaaa 300
 agaagtgcatt cttgtgccgc cttcacattc tctgggcggc ctcccatgt cttcaaggca 360
 gtgttttggg gggctctggc atacgagaac gacacgtgcc acggggttgg agattgggtc 420
 atggcattca agttgaaggt agcttcaacc tcagactgtc caccagacaa aaacataatt 480
 ccaggacag cagggggaat tctcctgtga aggagcttga cgggtgtaatc agcaactgtc 540
 tgaggactgg cttgtcctt gactcagctc aggtgtacca tgctggctta agaagatacc 600
 ctcaaa 606

<210> 13334
 <211> 587
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220146e12a1

<400> 13334

gtttacacac tgacacactc cttcatccaa ctccaacaga acaagaaaac atagtacaca 60
 ccacacagtg aaaaagagag aaactccatc ttctttcttt ctttctcact caccacagaa 120
 cacaaaaaaa catttccaaa tttcaggttt gggaaatgca cgaaacacat tccatcggcg 180
 gcggcagggt ctacggcggc ggcgaccgga ggctgaggcc gcaccaccag cagcagcagc 240
 cgccgccgct aaagtgccca cgttgtgact cactcaacac caagttctgt tactacaaca 300
 actacaacct ttcccagccg cgccatttct gcaagaactg ccgccgctac tggaccaagg 360

gtggcgctcct ccgcaacgtc cccgtcggtg gcggttgccg gaaatctaaa cgctccaaca 420
aaccctaaac aaccaccacc accaccacca gcaacactaa taacaaccgt tcttctttct 480
cggcaaccgc accggccacc gcaccaacgc caccggcacc agagctggag catcattctc 540
attctcactc cagcagtgaag agtccactt taaccgtgac cgcgacg 587

<210> 13335
<211> 523
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220146f01d1

<400> 13335
atagagaggg agaccaatta attagtcccc ttataacatt agcatcacia acactcgaaa 60
attgaataaa aaattaatct aataacctcc cccaacaaat taaaatagaa tctgggtgaat 120
gggggggctta tgtaaaaaag tgtggcaaga actcacgtaa gttattctaa aaccacaatt 180
aatactttat tatataacat ataattatat atcatatata tttccctctc cagcttcatg 240
acttggtcat ctagctgggg tctctagcac aatgggggat tttggggcaa ccacgattgt 300
aagggttggc tcgacccctc tgctggcaat tgtggttaga tcttcacagg ttaccacatg 360
gcacattggt ggcatttggg gcaccatagc taatgtaccg ttgtcgcccg gtgagggttc 420
ggggattgga ttcggaatct agcaacatct cattggcatc tgcaatgaga tcatggccca 480
cagcactaac atggaagcca ttttcatgat gaacactaga agc 523

<210> 13336
<211> 383
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220146f02d1

<400> 13336
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gaaattcatt cccatcagca gagcatacac aacttgtagc aagctaaata ttaactttat 120
gagcgtatat aatttatcaa cgtccttcat ggtcaggcac agtcattctt cacacataaa 180
agacataagt caattatgac ctgagaacct taaatcatca gtccccata agaaaaacac 240

ggttctgcgt cctatatgtg atgatttcta aagcagagtg cctattaagc acttcttaaa 300
gctctggagc gggagcaaag tttaggccat tcattgcagt ggatggctgc ataggaacgc 360
cctgagcttg gttccagaaa tgt 383

<210> 13337
<211> 316
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220146f03d1

<400> 13337

tttttctttt tttttttttt tttataatct catcccaacc acaaataatta aaataataat 60
actaattact tatgcgattc taactactca tactacttac tcagggggttg gatggggggg 120
catctacctg gggaaattta acaattttca tggaacaaag gccctatttt acaaaggtaa 180
tttctccta cattatcaca ataccatacc gaagcatatc taaatactat taactacggt 240
ttaaaacccat gatatacctc caaccttcgc acgcaatttc ttatcagaac gtttaaaatc 300
cactactcta gcaaaa 316

<210> 13338
<211> 435
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220146f04d1

<400> 13338

aaaggaaaaa accaggaatt ttttttcccc cccccaaaaa aaaatctggg gcccgccctt 60
tttcataggg aacccccccc cgaaaaaaac ggcttggggg cggggcaggg gccccaaacc 120
cttcccaaac caaataaacc ccctttaata gccttagccc cccctagggg aaaatggggc 180
ccccgaaaaa actaaaaaaa ggaaattgtc cccccaaaaa aattgggaac ccaaagcctt 240
tttaacgggg ggggggctgg actccccca taaacgggcc ccgggccctt aacattattc 300
ggaaaaaacc ctgaacaatt tcgaccctgg cgggcaaaaa ttcgggttca ttcggaaccc 360
cgaaaaaat aagggttgga aaacgcaccc ggggttttctt aggaattccc ccacttaggg 420
gggggcccc ccttt 435

<210> 13339
 <211> 374
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220146f05a1

<400> 13339

cggggtttcta tctgctgttt gaggaccatc atgaagtcc aagccccggc ctttgggtcc 60
 agatggtgtg aaattgggaa ttcttgtttc tgccctgctg tcaacttcgt tcgtatatgg 120
 tcttttttatt caagctatatt attgctgcga atgtctggga gtgaacagat tcttgagtga 180
 gtattttaaac tgcagatat gggaagataa aattcagcat aaagccattt atagcctatg 240
 gggcgtgtga ataatgccct aggaaggctg taatgatatg tcacggatat tgctttgcaa 300
 ggcttaacat tgtgctctgt cagaagtgtg tacagaaaat gtggacaaaa aactgtaaat 360
 gaggttatatt tatt 374

<210> 13340
 <211> 373
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220146f05d1

<400> 13340

aataaaataa ctgaattttc tatttttttt tcaaattttt gggttacact tttgacaaa 60
 cacaatgtta agaattgcaa agaaatatcc atgaactata attacaaact tcctagggta 120
 ttattttacac gccccatagg ccataaatgg ctttattgga attttatctt accatatctt 180
 acagtttaaa tactcactca agaatatgtt cactcccaga cattcacaac aataaataac 240
 ttgaataaaa agaacatata cgaacgaaat tgacgagcag gcagagacga gaattcacag 300
 tttcacacca tctggacca aataccgtgg cttggaactt cttgatggac cacacacagc 360
 agatagaaac ccg 373

<210> 13341
 <211> 555
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220146f06a1

<400> 13341

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ccttttccat tttccttcct ttgggttggtg ttctgtgtta ttgggttgga ttgtgttggtg 60
tggtccatac aactccaact agtcagagat tcttgtctgg gctacattgc actttgcacc 120
ccaaaaaggg aaagggaaga gaggcataaa caccataa aatggagaga gctctcacta 180
aagtcagcag cttgaagggtg ggggttgggga gttcatggat ctccaagaag gccaaggagg 240
agttctctaa catctctgaa gacatctcta gtttctcaaa taccgttgaa gaaaaggcga 300
aatgatctt caacaaatta aaaggtaagc cacagaaaag cctaccggat ctctccgag 360
attacaattt gccaccagggt ctatttccac agaacataat ctgttatgag ttgatgaaa 420
ccaagggcaa gctgattgtc tacttgccat cagcatgtga ggtcagcttc aaggactcct 480
ctgtgctgcg atacgcaacc cgagtcaagg ggttctcaca aggggaaagc tttcggcgat 540
agatggaatg aaaac 555
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<210> 13342

<211> 312

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220146f06d1

<400> 13342

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ggattgttggt tgtgtgtttc atattttttt ttctgttata gattttctgt tcgggcttac 60
atagaaaaaa gcaaccaaag ggcgcatggg ggcgaggcaa aaaaaccg gaaaaggggg 120
agagaaagga ccaaaccg gaggcccccc gggaaaaagg aaaaaagg gaaaaggggc 180
ccgccaacga agaggtttggt ggcaacactg cacacaccg aagcatttca acccccgctcg 240
aggaaggggg gaaaaggaaa cccccacat tgggaggcca gaaacagaga accctggagg 300
accccccggt gg 312
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<210> 13343

<211> 575

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220146f08a1

<400> 13343

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gaaaaccctc ttgtccgat catcgtcgtc aagatgttgg aactccgtct cgtgcaaggc 120
tccctcctga agaaaggttt tggaatccgt caaggagctc gtgaacgacg cgaacttcga 180
ctgctcctcc accgggttct cctccaggc catggactcc agccacgtcg cctcgtcgc 240
tctcctcctc cgatccgagg gcttcgagca ctaccgtgc gaccgcaaca tctccatggg 300
catgaacctc aacaacatgg ccaagatgct taagtgtgct ggtaatgacg acatcatcac 360
catcaaggcc gacgacggca ggcacactgt cactttcatg ttcgaaagcc ctacacaaga 420
caagatttct gattttgaaa tgaagctgat ggacattgat agtgaacacc ttgggattcc 480
ggaggcagag tatcatgcta ttgttaagat gccatcctct gagtttgcta ggatctgcaa 540
ggatctcagt agtattggtg acactgttgt cattt 575

<210> 13344

<211> 539

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220146f08d1

<400> 13344

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taagaaatcc acaaaatgtg aattcattgc tcacacgggtt aaaatatctt caacagaaga 120
tgtatgacga aagctacaag ttcaaagaca ttaaaatcct aatatacctaa cccaaccatc 180
taataggtag attaaacttg aggtttcgta tcttcttcat cctcttctat cttgggagcc 240
aaatagaacc gcacataacc catctcagca atcttgtact caacaacaac tggcaactca 300
tttgaaagac taatggtaac tgtgttagac aatggcggttg cctttgtaaa agagttcata 360
tatcgcaaag caaatgtcaa ggacacgggc tcattcatct caatgacagt tgcttcttca 420
ggcttgcca cagaagtatt ctgcctacaa actatattgg cagttccaat atctcctttg 480
gtggaaaact tcacaccctc cttagtaacc gaaatgacaa cagtgtcacc aatactact 539

<210> 13345

<211> 586

<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220146f09a1

<400> 13345

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tttctagcat ccttcaagta agacttcagt aaaggaatgg gtgaaggatg ctagaaaaat 60
ttctttctcct gtcagaagtg ttaactcatc tcccactgca cagattgatg ttaatgatcg 120
agaactgatt gcacttaaag ctgtaattaa gtgtattgaa gatcacaaac ttgatgacca 180
gtaccctctg gatcctctcc agaagcgagc gacccaactc gagaaggcca aggctgacaa 240
gaaaagggta actgaagcaa caaagcctca acccaagaga ccccgtagta atgggtgtggg 300
atatggccccg cgtgtcacta acattctatc tgacaaaact tcttatgcta gagttgctga 360
caggatcctt caatacgtgt atgaccgacc ttacatgtac cctgcaccaa ctgacaatca 420
ctgcctcctt ctcatgggtt ctgcaactta taacatctct cctaatactg gcaactactt 480
tggaatggc tatcagtacc aagctacata tctccactag ttagcacaga tgatggtgaa 540
ctgatgacta agaagctaca tatecctttg ttaatattta gtctta 586

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<210> 13346
<211> 405
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220146f09d1

<400> 13346

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aaccaaaaac aaaaccaga ccaaacaata agggaacaaa aaatcttcca acccagaagt 60
taaaaattaa catgacattt cacctgatta caaaatTTTT aaagactacc ttaaggaggg 120
gcaccctaac ccagctaaag ggctaaaact taacacacaaa taaaaaaca ggggatatgt 180
agcttcttag ccattaatca acccacatcg ggccaaacca ggggaaaatt gcacctgggt 240
cccgaacccc ctatccaaag aaattgccaa gattagggaa gaagtcataa attgcaaaac 300
ccttgaaagg ggggcctcga ttgccattg gggccgggaa catgtatagg gcggccaaac 360
acgctttggg gatccccgag ataaacctta acctaacaaag ttttg 405

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<210> 13347
<211> 607

<212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220146f10a1
 <400> 13347

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 ctctcctgga gatgcataaa aggaaaagct ttagtttccc cttttgggtca cgggacacac 180
 cgtttacggc atgcctagga actaaaggca cattgattca gaaattgtat ccaagttgaa 240
 cagcatgcta gattagcata acacatgcaa aatcctttcg aatggctaga gatagattta 300
 aagatggatt tgtgcatgat cttaaattga agttgatctt ggatagagtt aaggatgata 360
 gaatatataa catgtctcaa gtttatgaag tagctgcact tattgaagggt gacgcggaca 420
 gagtataaaa aagatacata atcttggaat cacaaaatgg acaactccaa agactagatg 480
 attttcatgc angttattcg ggactctagt atctactttt attctcgtat gttaaggatg 540
 ggtatagaca tgatgtccct aattgagcta cacatacttt agaaaattgc ataagagacc 600
 accttac 607

<210> 13348
 <211> 489
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220146f10d1
 <400> 13348

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 gccaacctt tggtttggga cttacatgta aatgtcacia atcaatgtca caaacaaatc 120
 aagaaagcca aactaccac aatcaccat cccattaaag gccaatgat tcatatttct 180
 acaacctcaa acaagtgtgg aagggaatat gactcttttt cactgtttg aaccttggtc 240
 ttgggcattg gtagttgatc gatgccggtt gcagaatttg tcaacctgta actttaatgg 300
 agtgatecta ataaaaaaaa gtctttttaga ctctagcata gtataacat caattaccaa 360
 ctactgaaca tgttttcttg accaaaatat ggtttgagct tcggttcagc ttgaacgaat 420

cctaaaataa agttcttttg agatactagg tggctctcttt tgcaaattct gagtttgtgt 480
ggctcaatt 489

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<210>      13349
<211>      402
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmf102220146f11a1

<400>      13349
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<210>      13350
<211>      360
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmf102220146f12a1

<400>      13350
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<210>	13351
<211>	531
<212>	DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220146g01d1

<400> 13351

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ccatatgtaa atatttttag catagaattg gataacatta acatcatatt tctttgaaca 60
gatttctcttg taagcatcat ttcacatgat atgataaaat tacaacaaaa attctgatga 120
acataactgg gcaaaaatga aggaatgcgc tttgagcaag aaccataacc ttatgtcggt 180
tattcagggg aggacattac aactgataag taaaaattgc caacccaaga tgtattccaa 240
tcctttgtga ctatagctct tctatctcca attcaaattt ttaactcttc tgatcagggt 300
ggaatgggcg tataaatgca gaattcattt gccaaacttt tagtgagggt gtcacagtgg 360
cctcggtagc attgttgaac aagaacaacc tatcagctcc atagattgcc tttgttggat 420
aaacccgaga tgtcacaacc gtccttccac cttgagcaaa gctttcaaca atagaatggg 480
ccaccagtat ccgcaaggaa aacttttcgc ctttaagaac tggaacagcg c 531
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<210> 13352

<211> 330

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220146g02d1

<400> 13352

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ttgtttttat cataatgaca cagaagtccc caaaaaaaaa taaagacaat aaaaatagac 120
tacaacagtc aaatacacat cattcgaaaa caaagaccaa acaacaaaaa catactgacc 180
ctacctaaag ccagaatggc aaacaggaca aaactaacia caagacaaac agagcaagaa 240
aaaaacaaaa acctaaaacc ccaacaagaa cgactatcaa tacaaaaaaaa aaaaacagcc 300
aatcaaakat cataaaciaa gggaataaat 330
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<210> 13353

<211> 398

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220146g03d1

<400> 13353

ctgccacatg agcaggctca gtactctaca ccatccggta ttaattcccg accagctcag 60

cacactacgg ccgcccttta ttgatgtatc gctttgaaac atcttgatat ttttttatgg 120

cttgttgaat cttcgggtata taatcattat attttgtgat actgttccat tgcatagaca 180

agcaactcaa aacaaagtgg aaccccgagg agagaaagtc cgcctgctca acaaactcctg 240

caagccaaga cagatcacag ccaccagaac aagggaactc tgaaactctg cgcccagagg 300

aaaagccaga aaacaccaca cacagagaat caatttaaaa aggccccgc gaagaaaaga 360

gaggctgctc tatcccaatg ggctatgaca gaacttgg 398

<210> 13354

<211> 546

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220146g04d1

<400> 13354

caaagaaaaa cacttttatc attgtgagca gtagaatcat ctgctccatg taagtaggg 60

acttcaaaat aacagcatta atatcctcaa cataagattt tacatgcctc tcccatctta 120

agaaaaatac atatgaatgt caattttgta tcaaaaaggg gggaaggggg ggacacaata 180

attgatataa atagagtaca gaacacccca actcgaaaga gataaactta atgataattt 240

aatgaagcgt aagttgtatt ttgctaattc cttccccatc ctctgattct ctaatcatct 300

gtatgcgaag cttttttatc tcattgacta gtgcagatcc aatagtaccg caatcttata 360

gtgaactagg tgtaataaca cttaaaaaaa aattaagatg aggccaatgg gagtaattta 420

aataactttc accaaaactt tttatgtctt caggtcatca gacatcgag aaggtataca 480

atgcgtgggtg aggatgtcta aagttgcggt cttagcagtg ctagtcttca acactacctt 540

ctgttg 546

<210> 13355

<211> 483

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220146g05a1

002230.F.F.ESB

<400> 13355

ctcgagccga ttctaacaca tacactactc tctctctctc tggtattgca tggccgccaa 60
ttccagtagc cgagggatca ccgccttaag gaagcgagtc ggcaaccgga tctggacttc 120
caacgcacct actctcacgt taaggagggg agcatacagc tgcgggtcag tgtacgacaa 180
gaaccctgat gatgagatcc agtctgggca ggtcccagac gacgtgatcc aagcggcaac 240
acagttcggc aaatactggg cccacatac acagactggg gtatttgggc cccccggagg 300
aggtagacaa actgcttctg acattcactc tgatgcgctg gaagagaagg ctctggcttc 360
gccccaccaa tcttgtaggag ttcgagaagc ctcacacctc tccttcacaa ccggtggagg 420
acatcatatt ctaatactga attacattaa cactgcgtca cactctcaag cgtgggtcttg 480
gtt 483

<210> 13356

<211> 443

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220146g05d1

<400> 13356

ctataataat actatgtgta acattaaagt ggcataaaat gagaaatcca tgatgcataa 60
ggtagttcat gtgactggta tgctccggta cagcgtagca tgcagtgcag attgaagctg 120
aggagttatt aaacagctag ttggaggaag gaaaccaagg acacacctga taggctgaca 180
cagtgtttat ttaatgtagt attataatat gatgtcctcc aatggttggt aaagaagggc 240
gtgaggcttc tcgaaatcct cgagactggg ggggcgaaac caggccttat cctacagcgc 300
atcacagtga atgggctaag ccatttggtc acctacttcg gggggcccaa atacccatt 360
ctgtggatgt ggggcccagt atttgccgga ttgtgttgcc gcctgaatca cattgtctgg 420
gacctgccc gactggatct cat 443

<210> 13357

<211> 539

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220146g06a1

<400> 13357

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ggacgaacaa aaaagaaaga tggccctgta taagaagga ctgcagagga tgtttcaaag 60
gtgacagcta gtgattcaga agccaaacct gccaggcggt cagtgaataa ggcacttggt 120
cagaaggctg atgtgaaaaa aactagtgtc gtagtttcag taaaaaaagg aagttgggct 180
gcaaattgatg cagatgcaaa aaagcactca gccaaagaat ttgatgaaaa caaaaagggt 240
agtgggtgat cctcttcaag gcagatggag gacaagaaaa agggaggtcg ggggaaagct 300
aactctgaag cagatgttgc aaaatcatct gctattgatg tggacaagga aatgggttct 360
tctccaacgt ctggtacaaa atcaactaaa gatggaaagt cagaggagac tccaagaca 420
aatctgaaaa gggaacgcac tccaggaaaa gataatgagt ctggtgtgaa ggagtatggt 480
gaaaaccttg tcggtttacg ggtcaaagtt tgggtggccta aggatcgtga gttctacat 539

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<210> 13358

<211> 382

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220146g06d1

<400> 13358

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gattgttaca ttctgctttt tttatgccaa acctcctcat tcgctccttt acaattgggg 60
caagcccaca agcccccgcc tccccaacaa gaggcggccc cccccaaaaa aacccccggg 120
ggcccccaaa aaaccccccc ccagcgcaaa caacccaag aacccccccg aaccccccaa 180
caaaaggggc ccaccaate ccagggaac ccaggacatc cccccccggg gactcccccc 240
ccaagcctca aacgcccccc ctacccccgc atcagctact gccccccagg aggaaaaaac 300
taaagcccc acaaaaaaac cccccgagg accaaaaaaa agccccccct atagggaata 360
cccggggggc aaaaaccccc cc 382

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<210> 13359

<211> 610

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmf102220146g07a1

<400> 13359

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 aatctgatta aaaagaaaag aaaatgtcat ccaaccaa atctgcagca ctaaagaaac 120
 aatacatggt tgttttctga tttaaatgcc atttaattat gtatttttta ttattttctat 180
 tatcttcaac atttagtgga actttcgcag tgatttatga tgtcaacttg cattttttctc 240
 taattttacc taagaaatca aggttctgat atatataaca caatattatt atagggtctc 300
 actagttttt agagtctaag atagaccatt aataactaat cactcctcac caaactgtat 360
 aaatttgatc taggtatcct tataaccaa aatcatgaaa gtaactttca ctaaagtagg 420
 ttttgcata taatttcgtt tagtggtcca aaaaccatgc atctatgttt tcagcagcct 480
 tgtattgcac cttacttgct cctctatcat gcattaggag ttaggaaact agttacacta 540
 anttgaaacc gtttaatttg gttttatata gcttgaaacg tcgagggtaa gtctgatata 600
 gatgcataat 610

<210> 13360
 <211> 586
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220146g07d1
 <400> 13360

aaaaaatgac actaactggt catcagtcata gataaaactt gtccttccaa aatattcaaa 60
 ttaaatacta taaccttcac gccacatcct atgtctatgg ctaaagtttt aatagtttta 120
 agtcagtcac tgctgttttt atgcaaaaac aaattaacag aagaacaagc agcatttaca 180
 catttccaac agcaagaggc attttgactt tggccttagg tgtttgctaa ttttatttat 240
 gtagccatct aaaatactga gatcttaggt caaagcatcc atccaggaat aaatccattg 300
 acttggtgag cttgagttgt ggcagctagc tgctgctctg aggcttcagg gatgtacctg 360
 tagtcagaac ctatctgcaa tgtgggggtg cactocaaag gctggaagaa gccttgagag 420
 tgagcatttt gggttccata tggcatactt tgctcaccag cttcccatgt ttgcctatac 480
 tggtttcttg aattgatttc ttccagcttc atgggtcaaag atctgtttgc tttcaccaac 540
 atatgnctcc ttatctgaag atcagctaac tggntcagca tgaact 586

<210> 13361
 <211> 503
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220146g08a1

<400> 13361

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 actgtgtctc tcctgccggt gggaggtaga catgcacatt ggaatgatgg tgatgatgac 180
 tcaagcattg aagaccattg tgtcatccta tcatgactat gacaagaatt cccgtctatg 240
 tcctttgcct atcagtcgat ccagaagccg tcagtggcgc caatgccgca ttggaacctt 300
 tgctgtagcc atagcagcac ttcttatatc taccactgct tggctttccg ttgtcttctc 360
 tgatgcaact acctgttgct ttcatcactt aaaggattgg gaaagtagcc cccactcttt 420
 caattggaag aagtgcattc ctcatcgctt tgcgaaagta aaacctccac cagctctcca 480
 atttgagacc atgaatgatc atc 503

<210> 13362
 <211> 592
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220146g08d1

<400> 13362

ataagttcaa gaaagctcaa ttcattgtgt aaaaaatggc gcatggaatt agctcttcac 60
 aaaaaggcca aatcaatgta caaacataa tcaatcaata gacagaacta aaagttccct 120
 tcccacactc tccaactgag atttgaggta tttctttgcc agcttggctt tgcggcaac 180
 agagacgtcg tggaacctga tgccaattct tgctcaaagg ttgcactgct acccgatct 240
 ctcccacatt gcgcagaggg gggaggagag gaaagcataa aattctcttt ttgaaatcat 300
 ctttatctct accccgaaca tatgaacccc aagaagcatt accctctctt ccagtatctt 360
 tcaagaagaa tcgagtgggc cctttacaaa cagatttgta tggttccctg gcatcgaaat 420
 caaatcatt tgtttgacta ataccattcc aagcagagta agttctttca gagcgctcca 480

gttctcgagg aaaaacaatg ttaggcagga cttgtacgac ataaccagc gacaccgaat 540
atgttagatg ccgtgcatgg tcgtaacata ttgaacgctg caaaaagctt tg 592

<210> 13363
<211> 568
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220146g09a1

<400> 13363

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cagtgagggg cgtgaagtcg aagggcgagg tcgacgaggt ggtggcgagt ggctctccgg 120
ttatcctcca cttctgggcg tcgtggtgcg aagcttccaa gcacatggac caactcttct 180
ctcacctttc cactgatttc cccaacgccc gcttcttaag ggtcgaggcc gaagagcaac 240
ccgagatttc tgaggcttac tccgtctccg ctgttctttt ctttgcttcc tgcaaggatg 300
ggaagacctt tgatacattg gagggagctg atccgtcaag cttagccaat aaggttgcta 360
aagtagcagg ctcaattaac cctggagaat ctgcatctcc tgccagtctt gggatggctg 420
caggggcttc tgttcttgat acggtgaaag aattagcaaa agacaatgat tcttcaagga 480
gaaaaatcaa gttcaaccag ggcttagtgg tcctctgaaa aagagaattc agcagctttg 540
tgactctaata cctgtcatgc ctttcatg 568

<210> 13364
<211> 436
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220146g09d1

<400> 13364

ccaccaaata attatgtaat atataacaat ttctaactctg atgggaattc atgcatgttc 60
agtataccat tagttgaggg tccacactaa catttttaaaa atcactgacg ggggcttata 120
aaaaacccat gtagttaatg aggggcataa aacacaacct tcaaaaatgg cttctaggac 180
ataacccatg ttatttgagg gaataataat aatcctactc agataaagtg gactttggct 240
ccccattatt tcgcaggtcc cttacaatat catgaccacc aatcagctca cttttgaagg 300

aaagttgagg ataggttggc caattggggg atcccttaaa tcccgggtgc acttttctaat 360
 aggccaattt atcaatggac ccaaaattca agcccttttg tcgaagggca tcagcaactt 420
 tggaactaaa accaca 436

<210> 13365
 <211> 578
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220146g10a1
 <400> 13365

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 cgtaagtctg caccaactac tgggtggtgtg aagaagcccc accgttatcg tcttgggtacc 180
 gttgctcttc gtgagattag gaaataccag aagagtaccg agcttttgat ccggaagctc 240
 cccttccaga ggctgggttcg tgaaattgct caggacttca agactgatct gcgtttccag 300
 agccacgccg tgcttgcaatt gcaagaagct gctgaggcat accttggttg gctctttgag 360
 gacactaacc tgtgtgccat tcacgccaaag cgtgtaacca ttatgccccaa ggatattcag 420
 ctggcaagaa ggattcgtgg tgagcgtgct tgagttggtg gttggaaaga tgaagatgat 480
 tgggtggctgc gggtggtggt tttgtttttc agattccttt ttttattcaa tagatggngt 540
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<210> 13366
 <211> 374
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220146g10d1
 <400> 13366

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 ctgccaaagc gaagaataaa gggggggaaa aacccgggag ggaaaaacca agaggggggg 120
 gatttaccac aaacagtggg gcaaaaaaga accgcaagcc aattttccaa aggggggaaa 180
 acccaaccgc ggaccctac aagactgagc cgaattccca aagaaaggcc ccgcccgc 240

aaaaccaacc cgccgaaaca cccccagttg tggaaaaaaa aaggggctcc gaaaaaaaaa 300
 aaccccgccc ggggcgccc aataatgcc aatgtccaac ccccgactcg agggccccc 360
 cccgaaaacc cttt 374

<210> 13367
 <211> 179
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220146g11a1
 <400> 13367

aaatggcact tcagaggttg agtgcagaaa tctcttggt gatgcaaaa caaagtatgg 60
 tgtgaaatct tcaagtagag aacaacagaa tctaaaatgc aaaattgatt ctagacatgg 120
 agggcctggt atttccaatg atacaaaatc ctttagcatg cccaagtga atccaggaa 179

<210> 13368
 <211> 398
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220146g12a1
 <400> 13368

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 acacacagag agagatggct cccacgagga ttggggcaca gaacaacccg cttacaaaga 120
 gcgtgtgcac tctgagcacc gcatcacggt cgtgtccaat gatcgataat cttttgcgag 180
 cacgcatgaa cgtggcgcg cttcaacttat gccatgggtc ccacgagtac caccggcatg 240
 ccctcgacat cctgcggggc gtcgtggaga acaccgtgat tctctgcgcc gtcattgctcg 300
 acaccaaggc gcctgagatt ctgaactggt ttactcaagg acggaagagc ctatccaact 360
 gatacatggt gatgaaataa ccatccact gactatga 398

<210> 13369
 <211> 327
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220146h01d1

<400> 13369

aaaaaaaggc cttcccatTT ttgctttata ataaattaag gggagggggcc cagggggggg 60
 ggggtgtttt gtaaaacctt tccattaaaa aaaaacctaa attcaacca aaaccggggt 120
 ttctccgctc tgatttttaa aaaaaccccc tccttttttt ccaaacaaaa agccaacccc 180
 ttttaaagct ttgggggagg accaacccaa atggaaaaga aaaacccccg ggaaaaaaaa 240
 atcctttttg acaattggca ccccgTTTT tttccccct tttgattaga tttattgtca 300
 acccaacccc accaccttgg ggctaaa 327

<210> 13370

<211> 507

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220146h02d1

<400> 13370

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 taaatttcta gtggtaaata aaaaatcatc caacctagag atctttaaca acggaccgag 120
 tggaagagat atgcacacct agcacagcac ctaccataaa cttaggcaga aaatctttga 180
 gcattatttt gaatgcaagt ggcgtttaca gcttacaaca aacacttgcc acacttttta 240
 tgctaaaatt agagagaagt gtagggTcaa tctccccatt tccagcatga atagcatcaa 300
 tgaacttgca tgagtcagca cattggaaat ttcttcaaaa ccacaaattg ctgcaactat 360
 ggaaccaaac tatcctcagt gtgtaattca aggcacacaa gcaatcaatg agaagaccat 420
 caaccaacct ctttgcatta gaaacaaaaa gggtgcattg tggcttatgt gaatgattcc 480
 tgcaacagtt ccttaaattg atatgtt 507

<210> 13371

<211> 405

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220146h03d1

<400> 13371

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gcactacaac ggaagaaaac tactagaatg atacatctct tgctcaactgt caagcaccat 120
 gatgaacata ccgtacaacg gttggcacca aaccaagcta aacaaaagga tgaaaataag 180
 tttaacatga atagatcctt aacccatgga ggtatactcc tggctttaag gaaaacctag 240
 catccccctg gccactttat ctcaggtaca gtttctatgg cctataacat acctgtgtcc 300
 aagggatggg ggacattcat catactttgg ctaagcacat taaatttgtt ctaaggtgct 360
 taaggaactc accttggacc cttgaatcca aacacttgac ttctt 405

<210> 13372
 <211> 526
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220146h04d1
 <400> 13372

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 atagttttta aacaaacata gtcacgata gattatgcta atcttctgtg tcaaaggatt 120
 ttagaacaag catcattata gatagatcat gccacttgcc atatagtttt gaaacaagga 180
 taattgtata gagattatgc cctcaccta taactcagtt ctacaattaa cattatgtat 240
 caatacacat gtcgatagat acattacttc tctaataaac aggaccctct caaagcatgt 300
 gtaaacacag aagaccttgc acagcatata taggtaaaga catacctggg tgtcacatct 360
 ctaattttgc accacctgaa tgtcgacacg tcagagcgac agaacadata taaaacata 420
 ctgccttcga ttatggatcg gaactggaca ttggcaatg acatttgcag atacctacta 480
 ccaatgcatg tagtaaaacg tggcacaggg atgaatatga ctgctt 526

<210> 13373
 <211> 461
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220146h05a1
 <400> 13373

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 gaggaggaag aagaagatga agaaggtgtt ggtgttggtg gtggaagaag tgtgatgaaa 120

catagcggcg agatttttcgg gttctctgtg acccaaatg aagaagagtg catggacagt 180
gaccatccac ctgtgactag acaatttttt ccggtggaag atgctgacgt ggcggttgca 240
accggtggtg gctggtaccg gcgtaagctc aacgttcctt cgtgctcact gggtaagtgt 300
gaaattttgc caatcagaaa cacttggcac cggataatca tcagcgaag tttctcagcc 360
tatgaagaag agtcgccgag gaccgctgtc aatgagctct cagtatagag gagtcacctt 420
ctacagaaga acgggtcgct tggagtctca tatatgggat t 461

<210> 13374
<211> 309
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmf102220146h05d1
<400> 13374

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ccaaattggg atttcccttc tttttgagag tctttccgaa taacccttcg tttttcaccc 120
caaaagaaaa gttggggggcc tgggtgacca gggggctggg atggacatgg acccgatcta 180
accggggatc ctatttaacg tgcgtagaaa agaaaataat aatttttggg gggggaaaac 240
ctggaagggg tacaataata agtttacttt gggggcccat tacgataatt tgaaaggaac 300
cagaacttg 309

<210> 13375
<211> 548
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmf102220146h06a1
<400> 13375

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gaggaggaag aagaagatga agaaggtgtt ggtgttggtg gtggaagaag tatgaagaaa 120
cgtágcagca agatttttcgg gttctctgtg acccaaatg aagaagagtc catggacagt 180
gaccatccac ctgtgactag acaatttttt ccggtggaag atgctgacgt ggcggttgca 240
accggtggtg gtggaaccgg tgtaagctca acgttccctc gtgctcactg ggtaggtgtg 300

aaatTTTgcc aatcagaaac acttggcacc ggaaaatcat cagtggaaagt ttctcagcct 360
atgaagaaga gtcgccgagg accgaggtca aggagctctc agtatagagg agtcaccttc 420
tacagaagaa cgggtcgtg ggagtctcat atatgggatt gtggaaaaca agtgtatcta 480
ggTggatttg acacagcaca tgcggctgct cgtgcatatg atagagcggc tattaaattc 540
cgaggagt 548

<210> 13376
<211> 323
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220146h06d1

<400> 13376

agtgctgtta aagattttta cCGTgtgtta gtttgactgg cccagacca gtgataagac 60
cccaaattgg aatttccctt ctctctgtga tccattatga ttaacctttc attttcaacc 120
acaatagaaa agtggcgggc ctgtgttacc agggggctgg gctggacatt ggacccagtt 180
tacgactgga ggctaattta catgcttaga aaagaaaata atgatttttg gggggggaaa 240
ccctggaagg gtaacaataa ttatgttcct tagggggctc attaccattt tttgaatgta 300
actagtactt ggggagggga aaa 323

<210> 13377
<211> 582
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmfl02220146h07a1

<400> 13377

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gcgagagaaa gccatgccag agacgaagat ttttggcatg ctgtttggcc aaacactccc 120
attccaagtt cattgcgaga tcttctaaag cctggccctg caagtgttga aatcgatgat 180
caccctatgc aaattgaaga aacacagtac ccgaaaacct tcttctataa agaagacctt 240
catccaggca aaacaatgaa agtacaattc agcaagcctc cctttcaaca accatggggT 300

gttggtagat ggttaaagga aattaaagac actactaaag aaggatatag ttttgaagag 360
ctatgcatca agaaagaagc cattgagga gaagagaagt tttgtgcaaa atccttgga 420
acagtaattg gttttgcat ttcaaagctg ggaaagaaca ttcaagtact ttcaagttcc 480
tttgtcaata agcaagacca atacactgtg gaaggagtgc agaattctgg agacanagca 540
gtgatgtgtc ataggctaaa tttcagaact gcaagtattt ac 582

<210> 13378
<211> 507
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220146h07d1

<400> 13378

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gatcacagga tgatgctctc ttttaagtagg gaagcagatc ttatcagtac acataggtag 120
gttgaaattc tagctctagc aatctagcta gagaaggtag tacttgaca acacacagca 180
catgataatt tattttatac acaatctcat tctcatggtg ctcaagatgc atggactaat 240
taagcaacaa tgttggtctg ataggcagt tccacagata aattgggtac ccataaaatg 300
gccttgcttc caaggaaatg gcaaacaggg ttagttccag gatcaactcc cataagatga 360
tgaagcattt gatgattcat tccagacgta tttgagtggc aaatagcaag tgcctgagtt 420
ttggttccat caccagccac caatggaacc atgaaagctg ttgtttcacg gacttcatgg 480
cagtaaatac tgcagttctg aatttag 507

<210> 13379
<211> 467
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220146h08a1

<400> 13379

gttttcctct tctgaatcca ccgccaactgc agcgtggacg gaatcggagt gcagccatat 60
cagcagcagc agaagtcctt gaagtgtctg tctagtttga ggcacaatga gattggagaa 120
atgctgggtt tgctcttcaa ccatataccc tggacatgga atccagtttg ttcgtaatga 180

tgcaaagatt tttcggtttt gtagatctaa atgccacagg aacttttaaaa tgaagagaaa 240
 tcctcgtaag gtaaaatgga ccaaggcata tcgtcgagtg catggaaagg atatgacaca 300
 ggactcaact tttgagtttg agagaaagag aaacaggcct gaaagatatg acaggaatct 360
 tgcggagaat gtcctcaagg ccattcctaa gattgataag atcaagcctc cggggggaag 420
 agagacacct tttgaacagg atgaaaggca aagaggaaaa attgctg 467

<210> 13380
 <211> 559
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220146h08d1

<400> 13380

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 aatcttgttt gagaatcaca tcattcacac taatgatcac aacgaaactg gtaaactgga 120
 ccttacaggc aactaattta gcaacaaata ttaaaatagc aaaaattaag tgcagcattg 180
 ttagaattac tcttccatgg catgattctc ctctgattgc tgttgggaaa ccttgacttt 240
 gatctttggt aaagtgagag atggatcctg ttgaagcaca gaaggagctt tgaccaaact 300
 gatgcctgc tccaactcct tcaactgcctc cttcagcaat ttttcctttt tgcctttcat 360
 cctgtttctta tgggtgtctct cctccctcga gactctgata ttatcaatct taggaatggc 420
 cttgaggaca ttctccgcaa gattcctgtc atatctttca ggctgtttc tctttctctc 480
 aaactcaaaa gttgagtcct gtgtcatatc ctttccatgc actcgacgat atgccttggt 540
 ccattttacc ttacgagga 559

<210> 13381
 <211> 498
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220146h09a1

<400> 13381

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 gtatgtcatt ggtacatcca caaagggtgga catctctggt gttaatgttg ataaatttga 120

tgacaagtac tttgccaagg aagccaagaa aaagaaaaca aagggcgaag gcgagttctt 180
 cgaggcagag aaggaggaga aaaatgtgct tccccaagaa aagaaagatg accaaaaaac 240
 cgtggacact actctgttaa aggccattga gaatgttcca gacctcaagt cttacttggg 300
 tgctaggttt tctttgaagg ccggagtga gcccacatgag ctagtcttct agagtgtctaa 360
 attcattttc ttcattctgt ttttgcgaa gcttgggtccc aatagttgca ctgttttttc 420
 atcatgataa tgaacattgt tcaagaagtt cttattccag ttgtgggttct aagtatttta 480
 tactttctata gttctact 498

<210> 13382
 <211> 497
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220146h09d1
 <400> 13382

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 aatgttcatt atcatgatga aaaaacagta caactattgg gaccaagctt cgacaaaaac 120
 agaatgaaga aaataaattt agcactctag aagactagct catgggggctt cactccggcc 180
 ttcaaagaaa acctagcacc caagtaagac ttgaggtctg gaacattctc aatggccttt 240
 aacagagtag tgtccacggg tttttggaca tctttctttt cttggggaag cacatttttc 300
 tctctcttct ctgcctcgaa gaactcgctt tcgacctatg atttcttttt cttggcttcc 360
 ttggcaaagt acttgatcgc aaatttatca acattaacac cagagatgtc cacctttgtg 420
 gatgtaccaa tgacatacga ttggttacct ttctgagagg aacccattg atcttaaagg 480
 gaccagttac aagaagc 497

<210> 13383
 <211> 450
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220146h10a1
 <400> 13383

gctttttgta actggagcct tgaagatcaa tgggggttctt ttctgaaggg tgagccaata 60

acctgtcatt ggtacatata cagaggtgga catctttggc gttaatgttg ataaattaga 120
 tgacaagtgc tctgcatgg tagccaagaa aatgaaaaca aagggcgaag gcgaggtcctt 180
 caaggtatat aaggaggaga aaaatgtgct tccccaagaa aagagagaag accaaaaaac 240
 cgcggtcact actatgttaa aggccattga caatgttcca cacctgaagt gttacttggg 300
 agctacgctg tgtttgatgg ccggaatgaa ggccgatgat ctagtcttgt agagcgctga 360
 agagattatc ttcattctgg ttcagtcgaa gcttggctcc aatagtggta ctgatttttc 420
 atcatgataa tgaacattgt ttagagagtt 450

<210> 13384
 <211> 498
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220146h10d1
 <400> 13384

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 aatgttcatt atcatgatga aaaaacagta caactattgg gaccaagctt ctacaaaaac 120
 agaatgaaga aaataaattt agcactctag aagactagct catggggctt cactccggcc 180
 ttcaaagaaa acctagcacc caagtaagac ttgaggtctg gaacattctc aatggccttt 240
 aacagagtag tgtccacggt tttttgggtca tctttctttt cttggggaag cacatttttc 300
 tcctccttct ctgcctcgaa gaactcgctt tcgccctttg ttttcttttt cttggcttcc 360
 ttggcaaagt acttgtcatc aaatttatca acattaacac cagagatgtc cacctttgctg 420
 gatgtaccaa tgacatacga ttggttcacc cttctgagag gaacccatt gatcttaaag 480
 ggacccagtt caagatgc 498

<210> 13385
 <211> 440
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220146h11a1
 <400> 13385

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gtcatttgaa aatacactta tcacataatt tttgggtctg cacaggatta aaccttcaag 120
 tgggtcaaat atttctcttt acttttttga gaaatacatt ctgcacagga ctgaaagttc 180
 catcggaggc tcgatttaaa atgttttttc cttgggtgat catcagacaa gatataaact 240
 gatgagagta ctacgctcat ggaattggca tctgatctac agcttctacc tgcattccatc 300
 ttggagagag tgtttactag aggacatagt attacacagc atattgttgg aagcacatca 360
 catgatggat tacagtcttc ttctacgtgt tcactataga actgcccagc atttacgttc 420
 taacgtttga tacaaccaat 440

<210> 13386
 <211> 443
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220146h12a1
 <400> 13386

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 acgcaacatc aaagatgagg ctaacatact gcaggggcgc acctgcctca acgctagttc 120
 acacaaacca ggatcacacc gagagccttc tcattacgca tgacctcagc ctgcccacaa 180
 actatatgga tgttgaaagg acacctccaa aggaacatgc atagacgacc actgtggata 240
 gtatgcagca gatggcaaaa caattcagtg aaaggacgcg catcacgga catcttccac 300
 tgggaagcaa gggtaacatg ctcaatagaa caggagctg gatggctgat gcaaacactca 360
 ccaaatecct tgccacgggt ggatattcaa tgactctacc cgaactgaaa ctgatcaagc 420
 tgaccacgga cttgactgaa gaa 443

<210> 13387
 <211> 291
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220148a01d1
 <400> 13387

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 caatattacg cacaagtaca ctaacgagct aaacattctg aaattcccag ggcctagta 120

aaagatatta ccacagatct ctttaagccca agggatgggtt ttccaaaagg cctaacctga 180
gacccacggtt tcttgggaaa cttcttctat caaagaccct gatgctaaac attgctaaat 240
tctgattagg aaacgggtacc taaaatgggc ttgcttagga cctattaaaa g 291

<210> 13388
<211> 507
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220148a03a1

<400> 13388

gaagatatat tatggcattc tctatcttca aacatgttct gtcgttattc cttctttgca 60
ttatcttgca ggaacctacc aatgccctta gaaagaccta cattgtgtac atgggaggac 120
attctcatgg tccagaccct atgcctagtg atctggaaac agccacaaat tcccatcatg 180
atttactcgc ttcttactta ggaagtcacg agaaggccaa ggaagcaatt atatactcgt 240
acaataagta catcaatggc tttgctgccc tacttgaaga ggaagaagca tcacagattg 300
cacaaaatcc aaatgtagtt tctatgatct tgagcaaaga gcgcacattg ttcactacca 360
ggatcatggga ttttcttgga ctggaaaaaa atggaaaagt cactgcaaac tccgcttgga 420
ggaaagcaag atatggagaa aatataatca ttgctaatat tgatcaaggg tttggcccga 480
acaccccagg ttcagcgaca taggata 507

<210> 13389
<211> 554
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220148a04a1

<400> 13389

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agctctgggtt gggatatccg gcaagctcac ccttaggggtg gtcctaacat gtgtcatggc 120
agccactgggt ggattaattt ttggttatga tcatgggggtt tcaggtggag ttacctccat 180
ggattctttc ttgaaggaat tctttccttc tgtctatgaa caagagtcta ccatgaaagc 240
ttcaacagat agttactgca aattcaacag tcagatattg actttattca tttcatcttt 300

gtatctaact gctcttgtgg ctggtctagt ggcattccagc ataacacgat tgatggggaa 360
 ggcggtgcaac tatgattata ggtggcatat tctttgtgtt aggtgcatta ctcaatggat 420
 tagctacagg tttatggatg cttattgttg ggagaatgtt gcttggtttt ggtattggat 480
 gtgccaatca gtcggtacca atctatgtct cagagatggc cccctataag tacagaggaa 540
 gtctcaacat atgc 554

<210> 13390
 <211> 365
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220148a05a1

<400> 13390

ggcggagctg cccgatgggt ataaacatat taatgcctgg aggatgtgaa actgacacgg 60
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 gagttcgaaa tgtagtctgg agaagctttg taagcgtctg accacacca agtggtgtgg 180
 gaggtcgcg cgtacagggg gagagaccag ttgtgctcgg accttgctcg atcactaggg 240
 gctgcaagcg actcgagttg tttgtgattg cagtcccaat aagccgttca attacagaca 300
 aggctgaata ctgacgagag accggtcgcg aacaagtgcc gcgagggcaa agatgaaaag 360
 gactc 365

<210> 13391
 <211> 539
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmfl02220148a06a1

<400> 13391

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 tccccctca agagctccat gctcatgagc tgcgagttta accttcccgg tacaaccggt 180
 accccgttgt ttatgcttca cttcaaacc cgcttcggcg actttacttt caagaagacg 240
 cagtcttcga tttttgatgg gaaagggttt gggctcttta acacgcaaaa cgacgccgtt 300

gccgacgccg ccgccctcgc cgtcaagaaa ccgccttgca aggaccgcca cagcaaggtc 240
gacggccgcg ggccgcat tggcatgccg atcatctgcg ccgcccgcgt cttccagctc 300
acgcgcgagc tcggccacaa gtccgacggc cagaccatcg agtggctcct ccgccaggcg 360
gaaccctcca tcatcgccgc taccggctcc ggcaccactc cggcgagctt ctccactgtc 420
tccacaaang cgcctncc tncctcccc taccncttc atcctcgga aaacgcatcg 480
acctgacgac gac 493

<210> 13394
<211> 371
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmfl02220148a09a1
<400> 13394

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tacttaagta cagaagagaa gaattggagg ttgtaagagg agatgggaca gggatatacag 120
aggactatga cagaatctat gattatgatg actataatga gttgagcaat ccagatgggtg 180
gtgacccatg cgcaatcctt ggtgggtgta gcagatatct ataccctcgc aggggttagaa 240
caggaagaga tgggagctgg actgatacca acagtgagaa accagtcgat gcttatgtac 300
cgagagatga agatcttgat cacttgaagt catatgatgc ccttacatac gggctcagat 360
ccttatctca c 371

<210> 13395
<211> 533
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<223> Clone ID: jC-gmfl02220148a10a1
<400> 13395

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tcactaaaaa aggtttcatt aattctatat tatggctcag accacagcga atcacacagt 120
gaccgtatct ggggtgggcag ctcatgattc ttggggcaag attacccct acactttcaa 180

aagaagggag aatggtgtga acgatgtgac aataaagata ctgtattgtg ggatctgccca 240
 cacggacctc cactatgcaa aaaatgaatg gggcattact atgtatcctg tagtaccggg 300
 acacgagatc attgngngtg gtaactaagg tggggagaga cgtgaagggg ttcaaggaag 360
 gagacagagt gnntgtgnng gtgtttggcg gcttcatgtt tagnaatgtga gcactgncag 420
 accgatcagg anaattactg tgaaaagttg caatttgtct acacggagta ttctgggatg 480
 gcagcatcac ctatggnggc tactctcaaa ttttgtcgca gattacagat atg 533

<210> 13396
 <211> 572
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220148b01d1

<400> 13396

gtggaggcga ttactttatg ttttttgatc aaatctcctg aagttaataa ttggctccac 60
 tttaaaaaa atagcgtaca aagagaagct ggcaaattca caacagagca cgaaccagaa 120
 ccattcactt gttgatcacc gtgtttgaca acacagcacg aactatactg gaccacatga 180
 aactgtgcat agctgaaagc ccaacctaca ccaaattcaa acacttgctg gatttttacaa 240
 aactaactta catttctctc ttcttatgct tctgcctcat ttcttcccac ccctttgaac 300
 tgattggtat tagtgttaca agtatgtaaa ccttagatgt tatttcaatg ttttaataaa 360
 caaccaaga aatatgttac aagttacatg atacataatc atagcctcac ggtccatacg 420
 ctactccaaa cctttaaaca tttcaccg tagtttagat cagatcatcc acccttccgt 480
 ttaaaaaaat cacagtcggg tcagaacttc aaaccgggac gggcgtaacg ggaacggtta 540
 cgagagggat aagagaaaga gaagattcta ga 572

<210> 13397
 <211> 298
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220148b03a1

<400> 13397

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tctgtggcatt agtgcaatcc tttatcgga attcttttta catgttgaca ttggggcatt 120
tctttttattg agcccctgaa agaaaacaag gacactaaga aggtcattgc ctgtgatttg 180
tacattttttt taaaaaaaaa atattcctcc caaaaaaaaa aaaaaaaaaa aaaaaaaaaa 240
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aataaaaaa 298

<210> 13398
<211> 588
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220148b04a1

<400> 13398
ctcgagccga atcggctcga ggggatgttt gactgcttac acatgtgctc agatgcgcat 60
gaatgcgttt agtagaaaat gtcctgttag gtagtcatca gcaactgtct tctctgggtt 120
ccatgccctc gttggcatgc accataggat gccgagtaaa tgctgatgca gataattgca 180
gtttctcagt attctctcaa tctcttgaag aaaatgggtg ggtcttgctt ctatgcatct 240
gcttaccttc tgtgggcctc ctgtgtgata ataatttctt tcttttagtac ccaattgctt 300
tgtccggcct agggcagcac aaaatgctgc agatgaagca aaagctagtt taggacacat 360
tgatggggat catctcacgc tcttgaatgt ataccatgcc tacaagcaaa ataggcattg 420
aaatcagcgg acagtgttag acaacaactt gtgcgaatca tggctcgggt taacttgaag 480
ttatgcatca ctgatttcaa tagccgtgac tactatgtca acattagaaa ggcaatgctg 540
gcaggatatt tcatgcaggt ggcccatctg gagcggacag gacattta 588

<210> 13399
<211> 520
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220148b05a1

<400> 13399
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ctcaaactag gtgcttgtgt ggatcttctt ggtggcttgg ctacattgg cttgtgagac 120
cctgttgcca accagtgtg ccccggtgct caaggcctga ttgagcttga agctgcggtg 180

tgtctttgca ccactcttaa gctgaagctt ctcaacctca acatttatgt cccacttgcc 240
 cttcagcttc ttgtggcttg tggcaagtct cctcctcctg gctacacctg ctacctctaa 300
 accagtgaag ggattgagga aaatatgggc aaaatcgaca tgagaggatg tcgagccaca 360
 ctatctgtct tctgtcctga ttggaactga ctgtgtttgc tttgctatta tttgaaaaac 420
 cgatcttgct gtaattgaga ttgttgcatg tatgttgtaa tcctaggcaa gtagcagcaa 480
 agatgcttct ctgagacatg ttcaattatt aatgtatatg 520

<210> 13400
 <211> 585
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220148b06a1
 <400> 13400

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 ctcaacctct gagctagcgc ggatctcttc gtagggtaga ctgacaccgg atcgtgagac 120
 cctgctgtga acaactgcat gctcatgctc tacggcctga accttctcga agctgccggg 180
 tccctgtgga ccatgcttaa cttgaaactc ctctacctcg actttactgt cccgatgacc 240
 cttcatctga ttgtggatgg taacgggtct gcttcttctg acacccctg ctacgtctaa 300
 gccaatgaga ggattgctga aactccgggc atggtctaca tcagaggatg tatagtcgaa 360
 ttatgtgtct tgtggcctga ctgcatctgc tgggtgctgc tgacctatta tgtcgaagca 420
 cagacgtgct gtcattggaga ttcgggatga gtgaggaaat cctaggcgtg tagcgggaac 480
 gacgcttctc tgagacatgc gcaactagta atggatatga actgcgcat cacatgatgg 540
 attgctggaga ttcaagaagg gaaggggacg ccgagagaaa ccgag 585

<210> 13401
 <211> 546
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220148b07a1
 <400> 13401

aaataatcgg gtcgggtcga gatttggttt ataaagaaac ggactcagta gcgggttacg 60

gccaattcc cagcccgag tccctacggc tgctccatta acaatcaa atcggggtcg 120
 ggctgagatt tgaggttcaa acatcgtctg atattccgag aatgtaccac tccagtgccg 180
 ttttgcttcg tgacgggtcg gttctgggtg ctgggagcaa cctcacatt tattacaaat 240
 ttacgaatgt tttgttccca acggagttac ggatggaagc gttttctcct tggatatctg 300
 agcctggatt ctctagcgtg cgtcccacaa tagtgattcc tgcgtcccaa acaaaactca 360
 agtacgggtca gacgttgagg ctctgggttg aggtgatgag cgcgactntg gttggggatt 420
 cgggttnccg tacgatgctg tcgccgtcat ttaacacgca ctggttctcc atgaatcaga 480
 ggatgctggt gctggagcca cacgatttga gtaatggttg ggaatcgacg tacgaagggtg 540
 aagtta 546

<210> 13402
 <211> 505
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220148b08a1
 <400> 13402

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 gcaaaaatca agaatccaaa gcaacttcca ccattaccat taagggtttc atgagccttc 120
 taatgaaaag tgtagatgag aatgggtgatg gtagcaagag agttatttct ctgggtatgg 180
 gtgacccaac tctcaccact tattttccca tctcaaagt agctgaaaaa gctgttgctg 240
 aagcacttca gtcacacagg ttctgtggct atgctccac tgcaggtctt ccacaggcca 300
 ggattgcaat tgctgaatac ctgtctcgtg accttcctta ccaattatca agtgatgatg 360
 ttacatcac ttgtggatgc acacaagcca ttgatgttct agtggcgatg cttgctcgcc 420
 ccggtgcaaa catcattctt ccaaaccagg ttccactc tatgaactta gcgcttcatt 480
 agaggagttg aagtgaggca ttatg 505

<210> 13403
 <211> 515
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220148b09a1

<400> 13403

aatcattaca actagagata aacacctgtt tacgggactt aaagttgatt atgttcacga 60

aatgaaggaa atgcacgcaa atgagtcctt tgaacttctt agttggcatg cttttagaga 120

agcaaaacca aaagaagact tcaatgaact tgcaagaaat gtagttgctt attgtggagg 180

actaccacta gcacttgaag accttggttt atattttaact aataggacta caaatgagtg 240

gagaagtgca ttgtcaaaac tagaaacaac tccaatcct catgttcaag agatattaaa 300

aataagcttt gatgggttaa atgatgagaa ggaaaaagat atatttcttg atggtatgtt 360

gcttctttat tggtaaagac atagcctatg ttacggagat actaatggtt gtggactaca 420

ttcggactgt ggaataccag tcctcatgga ccgtagcctc ataaagttga aagaacacaa 480

acttgaatgc atattttgta ccagaatggg agaga 515

<210> 13404

<211> 545

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmfl02220148b10a1

<400> 13404

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caacatctgg tgctgtgtta aatgggttgg gatcttcctt cttgagtgga ggaaacagga 120

gccaaaccct tctggccact gctattggag gcaaagttgg tgctgctgct gttactgtta 180

gtcctagaag actcattgtg gtagctgctg ctgcaccaa gaagtcatgg ctccctggtg 240

tcagaggtgg tggcaacctc gtcgaccag aatggcttga tggatcgcta ccaggtgact 300

atggctttga ccactaggc cttgggaagg acccagcatt cctcaaattg tacagagaag 360

ctgagctgat tcatgggaga tgggcaatgg ctgcagttct aggaatcttt gtgggccagg 420

catggagtgg agttccatgg tttgaagctg gagctgacct aaatgcaatt gtccttttct 480

ctttggtact cttctgggac ccagttgatt ctcatggggt gggttgaaag caagagatgg 540

gtgga 545

<210> 13405

<211> 412

<212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220148c01d1
 <400> 13405

gaagagagaa agagacacct gttattaatc agaagagtta tgtttacatg gatacagatt 60
 tcaacagagg tctcttagaa atcaaattct caccattcat gttactttct tttccctaaa 120
 catcgaaggt tctccctccc tctctgttgt ctctacccaa agaatttgta ctagtggcctt 180
 ttctgtacct agaatgactc tagagtgtat gattgctttc gaaccattc atcataatct 240
 tgcacgtctt gctgaagtag gaatggctcc agcttggtcca ccaaagcttg catcattata 300
 tttccaggac cctcaacagc tgaagtaggc atcatggtaa atgggttggt gtagatctgc 360
 aggcagagat ctttctttac agatgagaga ggcaaatgca aaaatccata at 412

<210> 13406
 <211> 546
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220148c02a1
 <400> 13406

tcttcttaca ccaacaaaaa tggcaccttc tccacaagaa atcatcttcc gatccccact 60
 ccccgatatt cccatcccca cacatctccc attgtactct tactgcttcc aaaacttgtc 120
 aaagttccat gaccgtccat gctcatcga cggcgacacc ggcgagaccc tcacctacgc 180
 cgacgtcgac ctgctgctc gccgcatcg ctccggcctc cacaaaatcg gcatccgcca 240
 gggtgacgtc atcatgctcg tctacgcaa ctgccgcag ttgcacctcg ctttctcgg 300
 cgccacccac cgtggcgccg tcgtcaccac agccaacccc ttctacacgc tcgaggagct 360
 tgcgaagcaa gcgacgggca cgaaaaccag gctcgtcata acgcaatnec cgtacgttga 420
 gaaaataaga gtttcgcgga cagcaacagc gatgtcatgg tgatgtgcat tgatgatgat 480
 ctttcttatg aaaacgacgg cgttttgcac ttctcaacgc tcagtaacgc cgacgaaacg 540
 gagccc 546

<210> 13407

<211> 555
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220148c03a1

 <400> 13407

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 taatatgcaa cgaatggatg tgtttgaagc tggcctcata tatcaataat ggatttgatc 120
 tgattctggc tcaacgttca tgacgatcac caccactac tccattccgg gaagctctgg 180
 gtatctggac atatacccag agaggaaagt ctctgccttt caaaaccctt acattatggg 240
 cttcactgct gtcgctagca ttggtggatt gctctttggc tacgacactg gtgttatatc 300
 tggagccctt ctctatatca aagatgattt tccggaggtc aggcacagta attttctcca 360
 ggaaacaatt gtcagcatgg cagtggctgg tgcaattgtt ggggcagcag cangtgggtg 420
 gattaatgac gtttatggga gaaagaaggc aaccctcatt gcagatgtta tctttactct 480
 gggagcaatt gtaatggctg ctgccccaga tccttatant tctcataatg gcccggtgtt 540
 ggttgggttg ggtgt 555

<210> 13408
 <211> 399
 <212> DNA
 <213> Glycine max

 <223> Clone ID: jC-gmf102220148c04a1

 <400> 13408

cggctcgagt tgccctaaat caccaccaca tagctcgagc cacctagaac caccacacca 60
 tcaacatgcc acccaaaaac accaccacca accaaatcac caaccactgc gccaccatc 120
 tgcctcatca gtcctgacgt cgtttacctg aagggtttc tcaatctatg ggtaaattac 180
 acaacttatg gcattctcag gattaataag agctaggaag gtgttgagca atgttctctt 240
 gttattattc ccaatatttg atattggatt attcatagca taattaaacc ctacctattc 300
 attgttgttt agttatttgt cggcatgagt tactacctag atcaagggtc tgatggatgg 360
 aagaattaaa aaaaattata ttaattgtag aattttctc 399

<210> 13409
 <211> 500
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220148c05a1

<400> 13409

caggatagaa aatttgaatg gagagtgggtg aagactattc cctgtttgag actaggaaag 60
 acaaaggaag gcacattcga aggatctatg caatctcttt gtttgtggcc atatgcttca 120
 tctgggctta cagattgagc cacatacccg catatggcaa atgggcttgg cttggtttgt 180
 ttgctgcaga actctgggtcc ggtttctatt ggctcttttg tcaagccctc cgctggaaca 240
 tgctgttcag aaaaaccttc atcaatagac tctctgaaag atatgagaat agcttgccga 300
 gagtggacat gtttgtgttc acggcagacc caatcattga gccacccatg atggtgatta 360
 atacagtgtt atctgtgatg gcttatgact atccagcaga gaagctcagt gtgtatctct 420
 cggatgatgc aggtcagac ataacttttt atgtcttttt agaggcttct acctttgcc 480
 agcattgggt gccattctgc 500

<210> 13410
 <211> 552
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220148c06a1

<400> 13410

gttattatgt tggatttgcg agaattggaa ataggttaaa gcttattgaa accgtagttt 60
 attttctacc ttgctgcagt tggaacacct tccagccatg gttactgggtg ttttcaccga 120
 tgacaataac atgcagtttg aggccacaac tcagtttcgg aagttgcttt cgattgaacg 180
 tagcccacct atcgaggagg ttattcaagc tgggtgtagtt ccacgctttg ttgagttctt 240
 gatgagggaa gattttccac agctgcagtt tgaggcagct tgggctttga caaatatagc 300
 ttctggaact tctgaaaaca ccaaggtggt aattgatcat ggtgctgtcc caatttttgt 360
 aaagctcctt ggttcaccca atgatgatgt ccgtgaacag gctgtttggg cattaggaaa 420
 tgttgccgga gattcaccca atgccgtgat ctntgtctcg gtgatggagc tttgcttct 480

ctactggcac aattgaatga gcatgccaaag ctttctatgc taagaaatgc tacctggaca 540
ctatcgaatt tc 552

<210> 13411
<211> 491
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmf102220148c07a1

<400> 13411

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tcacagctag aagatttagt agttcatatc acgctaacgg actatccaac taagaaaaaa 120
cagagccgcc gaatcacaat tttgtctgat gcttcttcag atcagattgc ttatagatcc 180
agtcgtcgat tcgtgatctg agctgcagat tggcaaataa aaaccctaac atcggtaatc 240
ggggaatttt gaaggtggct cagcccttgc gtcatgctct tgcgcgtggt tgtcagattg 300
atggtagtag tatgagagat atgcaccgga attctacggg tagtactaac actaataaga 360
tatcatcatc ggcaataagg ctgccctcac ctcaacaatc tctaagacgc tnnngggattg 420
ngttcccaga tagctacggn ggagcactct tctctatcgt cttccctgaa aacgtggcna 480
gtcaagcgac t 491

<210> 13412
<211> 503
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220148c08a1

<400> 13412

ggtgtgaaga aaatattaat tgttgattgg gatgtccatc atggaaatgg tactcagaaa 60
atgttctgga atgattctcg agttttattc ttttccgttc acagggcatga gtttgggagt 120
ttttatccag ctaatgatga tggattttat accatgattg gagaaggagc aggtgctgga 180
tataatataa atgtcccctg ggagaatggg cgaatgtggtg atgcagatta ctttgcagtg 240
tgggaccaca tcttgcttcc tgttgctaaa gaatttaatc cagacataat tatagtttct 300
gctggatttg atgcagctgt tggtgaccct ctgggaggat gccgtgtcac accatttggg 360

tattctgttc tgtagagag ttgatgaatt ttgctgaagg taggattgta ctgatttttag 420
aaggaggata taaccttgat tccatcgcaa aatcaatgca tgccctgcttg gaagttttgc 480
tagaggacag cctgttattg gat 503

<210> 13413
<211> 502
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<223> Clone ID: jC-gmf102220148c09a1

<400> 13413
ctcgagccgt ttttttttgc cgttgaaaaa aatggaaaag gtggctccgc ctccgattct 60
gatgcaccgg aagcgcgata tctcgtacga catcgtttcg gcgggtccga acgagagctg 120
gaggtgggag tgggacagcg tgcgtttcgc aggaaaacca ccgcgcgcgc caccactgtc 180
cccaaacaac gacgtcgttt tgcaggcgga aagtgtcggt cctcctctac agttaagct 240
cggaggaaca acaagagtga ataacaataa catcaatata aacgttagca acaagagagt 300
taggtcgggg tcccccgga cggngtcgta tccgatgtgc caggtggaca actgcaggga 360
ggatctgtcg aaggcgaagg actatcacgc gaggccaagg tgtgagagc tcatagcana 420
gcctcgaaag cgcttctcgc gaatcaaatg caaagattct gcagcagtgt agtaggtttc 480
accgctctc gagttcgatg ag 502

<210> 13414
<211> 342
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmf102220148c10a1

<400> 13414
ctaaagccga caatttcgag gctgagaaga aagtgggggc agtggatgag cctccgcttc 60
tgatgtaccg gatgctcaag ctatgaagac acttacatga ataacatcca aattagatct 120
gaagaggcta gcgacacaag ttcgcagtct cgaccgataa catagtgcga gatggaacca 180
atgcatgaa aaaaccagcg ccgactataa gttgaaagcg tactctcatc ctcgtaattc 240

aagacttaga tgagctcaaa taggatgcaa catgaagatt aatatgaacg ttagcatcaa 300
gagaattatg ggatttgcaa cctgaataag cgtatgtata tg 342

<210> 13415
<211> 275
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220148d01d1

<400> 13415

gtattataat tgggggacag gcaacaaaat tagaacgaag aggggcttag aattaaacag 60
gattcccaa aaacgacaag taaaaaaga aaaaataccc aaaaagatg gagagcaaca 120
aaaaaaaaa aaaaatgaaa aaagaaagca aaagagaacc attactcaag gaaatgagaa 180
ccacaacagc aatcgatag cggacaaaac tgaataaacc ccaatgattg tggaaaagg 240
tagaatgagg ccacaggtaa caaaacccta aaaga 275

<210> 13416
<211> 533
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmf102220148d02a1

<400> 13416

ataacatagc atagagttag aagtgagaag agaaaaatgg caatctccat acccagtaga 60
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aaccgcta ctgaagacat catagggcat attccagccg ctactaagga agatgttgac 180
cttgcggtgg atgctgctaa aagagccttt tcccataaca aaggcaaaga ttggtcttca 240
gctcctggct ctgttcgtgc tcgctatctt cgagccatcg cttcaaagat aacagagaaa 300
aaggatgaac taggaaagct tgaagcaatt gattgtggaa aaccactaga tgaagcactg 360
gcagacctgg atgatgttat tnggttgttt taactactat gccgagcttg cagaaggatt 420
ggacgcaaag caaaatgctc ctgtatccct tccatggaa accttcagag ttatgttctc 480
aagagcccat cggagtttgt gcttaattac tccatggaac tatnctctat tga 533

<210> 13417
<211> 606
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmfl02220148d03a1

<400> 13417

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cttctacggt tcggaattc agccgttgat tcgctaccac tatctatcac caccaatccc 120
tattcgtccc ttatgctgca tatccccctct catcacctcc attcactcca acgacgccgt 180
ttctccgcaa aacggaacgc ttcgcttcca gacagagcat cagcagcaca gcgaagaacc 240
gcttcccgtt ccgtcactct ctgccgctga agaaaacaaa gcaacaacga agcttcgaaa 300
gaagaaagaa gacgacgtcg tttccgataa ccgcttcaag ctccgcaacg gaagagaggt 360
ttttgaagaa aaagcgtacc tcgtaggcgt tgagcgcaag aacgatgttc aggatttcgg 420
catcgaagag tctctgagcg aattgtcgca gttagctgac actgctggat tattggttgt 480
tggtcttact taccagaagc ttacttctnc aaatcctang acgtacattg gctctggcaa 540
ggtttctgaa attaagagtg caattcatgc aatgngcgtt gaaaactgta tctctgatga 600
tgagct 606

<210> 13418
<211> 555
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220148d04a1

<400> 13418

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gagtattgag catggaggcg ccattcttca ccaaacccaa cgaccaaca aaaccttcca 120
acacttccag cacccttagt ctggaggggg ggccgggcca agcgagccca ctccgaaaaa 180
tgtttgcggt ggcgtccatc gccgccggca tacagttcgg gtgggctctg cagctgtctc 240
tcttaacccc ctacgttcag ctcttaggag tccccacgc ggcggtctcc ttcattctggc 300
tctgtgggcc catctcgggg ctggtggtgc agccattgt gggctactac agcgaccact 360

gcacctctcg cttcgggcga aggcgcacct tcctcctcgg aggcgcctta gccgtcgcca 420
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 ctaaaaaaac ccgaccccgt gcagttgggg tcttcgtcat aggattctgg atcctagacg 540
 tggccaacaa catgc 555

<210> 13419
 <211> 592
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220148d05a1

<400> 13419

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 gagtgtagtg catgatgtga ggctatcctc agttgggccc ggccgggcca ccgggtcgga 120
 cgtattccac aaccgggtg gcttggactt ggccatgaag cttcactacc ttagagtggg 180
 gtacttcttt gatagtgagg ctgcacaaga ctaaccatc atgaaaatta aggatggcat 240
 gttcactttg ttcaaccatt acttcatcac ctgtggccgg ttccggcgat cggattccgg 300
 tcgaccctta atcaagtgca atgattgtgg agcaaggttc attgaggcca agtgcaacaa 360
 aaccctagat gagggtgctag ccatgaagga ttggcccttg tacaagttgc tcgtctctca 420
 ccaagtcatt ggcccagaac tatctntttc tctcctggt ttgttccagg tgactaaatt 480
 taagtgcggc ggaatttcat tgcgtcttag ttgggcccac gtattggggg atccttctgt 540
 cgcttcagaa ttcattaact cttgggtcta atattgaaa atatggccta aa 592

<210> 13420
 <211> 532
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220148d06a1

<400> 13420

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 gagaaagaca cttagccttg tatactcttc gatgtccttt gacgctcatg acccttgatg 120
 tgtgtgagaa atcgttcgat gtccattggt tcactctgagt gtcgtaatgg atatcgaca 180

cctttcttga cgtcgaagct acgtgatacc ttgctatata tactactgtg gctgccaagc 240
 gctctctgta caccacatga ctaataccgt ctgcgctgac gccgtcatcg gtctctgcgc 300
 gtcgccggtc aatagttcac gccgtatcga gtgggctcat gagacgctct cacgctgagt 360
 aacgcaagat cgagttgtac tctcacggct ttgacgcacg ctgcaccggc gatggaatca 420
 ctaggtgagg gctcaatcac atgaccgtga ctcaccttga cctagtcaag tgtctaaatg 480
 cagattgacc ctgcttagga caggagctta gcggctggca ccggaggaat ga 532

<210> 13421
 <211> 237
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220148d07a1
 <400> 13421

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 agagtttttt tcttccaat ttgttcatat ggatgatcat taattattgt ccaaaagttg 120
 atattttttt catgttcttt ctgcagttaa taccatattt actgatattg gcgcatttct 180
 ttgagaaagt tactaattcc tagatagagg caaaaatggt gggaattttc aaggaga 237

<210> 13422
 <211> 521
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220148d08a1
 <400> 13422

gggaacactc catgtccacc accaaagtct cctgcacagg ctacatgcc cattgacacg 60
 ctcaaactag gtgcttgtgt ggatcttctt ggtggcttgg ttcacattgg cttgggagac 120
 cctgttgcca accagtgtg ccccgctgct caaggcctgg ttgagcttga agctgcggtg 180
 tgtctttgca ccactcttaa gctgaagctt ctcaacctca acatttatgt cccacttgcc 240
 cttcagcttc ttgtggcttg tggcaagtct cctcctcctg gttacacctg ctcctctaa 300
 accagtgaaa ggattgagga aaatatggtc aaaatcgaca tgagaggatg tcgagccaca 360
 ctatctctct tctgtcctga ttggaactgc tgttgcttgt tttgctatta tttgaaaaac 420

caatttgttt ttaattgaga ttggtgcatg tatgctctaa tcctaggcac gtagcagcac 480
 agatgcttct ctgtgacatg ttcaattatt taattatatg a 521

<210> 13423
 <211> 574
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220148d09a1

<400> 13423

ggcaaatatg gtctctttaa ggccatgctt tcttttcatt cttatctgca tcgcgataat 60
 taatcatgca cattccaaca atgatcgga gacttacatt gtctatatgg gtgatcatcc 120
 taagggcatg gactccaçtt ccataccttc tcttcataca tccatggctc aaaaggttct 180
 tggcagcgac ttccaacccg aagctgtact tcacagctac aaaaacttta atgcattcgt 240
 catgaagtta acagaagagg aggcaaaaag aatggcagaa atggacaacg ttatctctgt 300
 tttcccaaac aagaagaatc gtcttcacac aacaaggctc tgggacttcg tgggccttcc 360
 tcagaatgtg aaaagagcaa ccacagagag tgacataatt gtgggagtat tagacacggg 420
 agtttggcca gagtctgaga gcttcagtga caaaggattt ggtcctccac caaccaaattg 480
 gaaaggatct tgtcataact tcacctgcaa caacanaata attggtgcaa agtacttcaa 540
 tctggaaatc actttaccaa agatgatatc atat 574

<210> 13424
 <211> 462
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220148d10a1

<400> 13424

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 tgagatgccc ggcctcatgg cctgtcggac cgagttcggc ccctcccagc cttcaaggg 180
 ggcccgcac accggctccc tccacatgac catccagacc gccgttctca ttgagaccct 240

ttggtgagct tgagggtaat gcatttcttg aacctaggac tgcgcaagta gcaattgttg 360
 atcatgttaa acaagtttgt acagaggtga gacctgccac agacgaagaa cttccatctc 420
 catatatcga agaatttcga tgcaatctgg atgctgaaat acttaaatat gttgaagaaa 480
 cttatccaaa ggtttctgct ctgtctactg tgtagtggga aggatgtaga ggggcccg 540
 tgctgatttg agc 553

<210> 13427
 <211> 432
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220148e03a1

<400> 13427

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 ccgtaataat aagactaaca catgtccaac tatgctggaa ccgctaacgc cgtccttgct 120
 aacgacgtca acaacatcac aatcggtgag taccagcagc gaaccaccac caccaccacc 180
 gccgacgccg tcgccctcgc cgtcaagaaa ccgccttcca aggaccgtca cagcaaggctc 240
 gacggccgcg ggcgccgcat tcgcatgccg atcatctgcg ccgcccgcgt cttccagctc 300
 acgcgcgagc tcggccacaa gtccgacggc cagaccatcg agtggctcct ccgacaggcg 360
 gaaccctcca tcatcgacgc taccggctcc gggaccactc cggcgagctt ctccactgtc 420
 tccgaccaca ag 432

<210> 13428
 <211> 530
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220148e04a1

<400> 13428

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 tcctcatat ctaacagcag ttctgggggt ggtcaggctt ctctcagcat gctgacatat 120
 actggaggaa attcaatcgg aatcagtc ttccatggag aaaggaagaa aagcagcacg 180

ttgcaccacc ccacctccaa tttcaaggac cagaactcat ttttcccaa tttaaatcct 120
 ttttcgctac ccattttggg ttttggttcg tgtaacttct acttctggaa ctaaagttga 180
 gctttttacc ttattttgggt tctttgtgtt tagctttttt ttttttttcc ttctttttca 240
 tggcgattgg gcttcttctg tggctgttac tggccaaggg tcttgccatg gaggggtgccg 300
 tgggggtcac attttcttct aggcctattc accgtttctc tgaagaggct aaggctcatt 360
 tggcttaagg ggcagcgacg gntctgtgct tcttcaagcg tggcctgaga ggaacagctc 420
 tgagtatttc aggttgcttc t 441

<210> 13431
 <211> 581
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220148e08a1
 <400> 13431

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 tgaactctca ccatatatat ataatgcgcc ggcggtgcgc atggagataa cctacgcattc 120
 ccctagcttc tccgacctcc gcgccatgcc gtcgacggcg accgccgcgc gtcccgtcag 180
 gatcattccc ctgcagcacc cgaccgccac gacgtcgtcg ccgcagccga acgccgcctt 240
 ctgcgctgg acggcgaagc tccggcgaat gacgtggctg gagggtgattg aattcttctt 300
 cccttgctc cgctggattc gcatctacaa ctggcgcgag tatttccagg ttcgatctca 360
 tggccggaat caccgtcggc gtcattgctg ttctcagtc gatgtcgtat gcgaaattgg 420
 ctggacttca accgatatat ggactctagt ctggnattgt gcccctatnt gtatatgcc 480
 tatttgggtc ttctcgccag cttgcagtat gtccagtggc attggttact ctctcggtct 540
 ctatgtgctg gtagcatagc tgatcatcca ctgaatatac a 581

<210> 13432
 <211> 593
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220148e09a1

<400> 13432

cacccttata aaaagaaact cattttaact cagactttgc atttcacctt atctatctat 60
 cttttctaac atggctgctg ggactggact ctttgcagag attttggatg gagatgtgta 120
 caagtactat gctgatggag aatggaagaa atctgcttct gggaaaagtg ttgccatcat 180
 caacccccact accagaaaga ctcaatacaa agttcaagct tgttcacaag aggagggttaa 240
 caaggtcattg gacttggcaa aatctgcca aaagttatgg gcaaagaccc cactatggaa 300
 acgtgctgaa cttcttcaca aggcagctgc tctccttaaa gagcacaag caccaattgc 360
 agagtgcctg gtgaaagaaa tagcaaagcc agccaaagat gctgttacag aggttgtaag 420
 atctggggat ctggtttctt atactgctga agaagtgta aggattctgg gagagggaaa 480
 gttcttggtg tcggatagct ttcttgaaa tgaaaggacg aaatattgcc tcacatccaa 540
 gattccactt ggagtgattt tagccatttc accttttaac tatcccgta atc 593

<210> 13433

<211> 528

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmfl02220148e10a1

<400> 13433

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 ctctaatagt aatagtaata tacataagta acataaccaa tggaagcgcg tgcaggagcc 120
 aatcagcgta ttgcaagaat ctctgctcat cttcagcctc caaatttcca ggaagggagt 180
 gatgttcttc ttaagagtgc tgagtgcaga gcaaaggggtg gggcacctgg attcaaagtt 240
 gcaatttttg gggctgctgg gggaattggt caaccccttt ctttgctgat gaagatgaac 300
 ccattggttt cagttcttca tctttatgat gttgtcaaca cccctgggtg cactgctgat 360
 gttagccaca tggacactgg tgctgtggtt cgtggctttc tggggcagca acaacttgag 420
 agtgcactca ctggcatgga cttggtaatc atacctgctg gggtagcaag gaaacctgng 480
 atgacaagag atgatttatt taaaataaat gctggaattg tgaggacc 528

<210> 13434

<211> 549

tgtcagaaga aatgcatatg agttgggaca tgcgangaat gc

582

<210> 13438
<211> 423
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220148f05a1

<400> 13438

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gccaatctca cctacagacc ccacaccctc tgacttccta ccattcgtgg tcgaagccaa 120
agacaggacc cgcaaggaag acaggaccgg tcgtcacact cgcataagaa agaaggtcga 180
agggacgccc gagaggccga ggctgtgctg gttccggtcg aacaagcatc tctgatgagc 240
aagcgattga tgacaccgca atgcgcacgc ttgctatcgt gacgacaatg caaaagacgg 300
gtgctgacga gtgtaactac tccggtggcc ctacagtaga agccgcaaag aggatgggcg 360
agatcattgc ataatcctgt ttgcagaaag ggatcacaca cgtatgcttt gatcgaagtg 420
gat 423

<210> 13439
<211> 598
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmfl02220148f06a1

<400> 13439

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cactaccgtg acaccatgaa tattaattca cttgcccgga aagccctggg caatgcagat 120
ggatttatag agaaaacatt cttgtggggg aggtactcta tggaaatgtc cgctgtcatt 180
tacaaggact gggttttcac tgatcaagca ttacctaata atcttgtaaa gagaggagt 240
gctgttaagg acccatctgc tccccatgga gttcgtcttt tgattgagga ctatccttat 300
gcttctgatg ggctagagat atgggatgcc atcaagtcct gggtgcaaga atatgtctca 360
ttctactaca agtcagatga ggaactccaa aaagaccctg aactccaagc ttggtgga 420

gaacttgtag aggtgggtca tgggtgatttg aaagatagcc atggtggcaa agatgcaact 480
 cgtgaaagtt ggttgaagct tccgtatcct caatggattg ttcagccttc atgctgctgt 540
 aaacttgaca gtatccatat gaggttaatc ctaacangcc actatagcag agatcatg 598

<210> 13440
 <211> 446
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220148f07a1
 <400> 13440

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 ggcgacaagc gaatcaatta cgccacgcca aagccacaat ttcacctatc caattatgca 120
 cgacatgtaa caaaacgaca acaccacttt cgtcgttcgc cgtattcgat ttcagagttc 180
 cgtggcgctcc ggccatggcc ctgcgaaacg gcggcagaaa aatctacttc gaggtcctta 240
 gcgtcgagga cgaatctgat ccaacggaac gcaaccgcaa gaagcgcagg caccgcgctt 300
 cgaagaagaa gaagaagctt ctcgatcggg ccgattccga ttccgcggat ccgcgttcgg 360
 cgccgttgga gaatggagga gcctgtaacg gattctagct cgacgctagc aggtactgcg 420
 gcggcgggcgg cggatgagga tgaagc 446

<210> 13441
 <211> 528
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220148f08a1
 <400> 13441

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 actcttttagc agcaacacca aagcagaaaa agaaacaatg cagcaccatg caaacaaaaa 120
 gacctacata attcacatgg acgagaccac catgcactga accttcaccg accacctcaa 180
 ctggttcgac gcctacctca aatcagcgta cccctccgcg gagattctct acacttacia 240
 acacgtggcc catggcttct ccgccagact cactcccaag gacgtagaca cacttgcaaa 300
 acaaccggc atcctctccg tcatccccga actcaaatac aaactgcaca ccacaagaac 360

tcccaacttc cttggacttg acaaagccac caccttgtag ccgaagctag cctcttcggc 420
 ttggcgctcg gtacggcgcg tggaatggcc acacaagcgc gtgtggcgga ttacaaagt 480
 tgctggcttg gcgggtgttt tacttacgac atagccgcgg gaatcgac 528

<210> 13442
 <211> 554
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220148f09a1

<400> 13442
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 ctcacccaaa ccgcaactatc gttcttcgac acggtcctgt ttattaagcg gtttgataa 120
 aagaatagaa gcgtaaaatg gccttcgtag cacatcaacc tcagggtttg tttgtgacat 180
 cttcctcgag gcgtttgcca tggagcaaaa ggctgaagtt gaagcagtg ttaacaaaac 240
 atcacatgat tggaagaact gaccggcatt gcctagtaaa gtggaatgct tgtttaagtt 300
 tagggcctcc ttgcttttgt gtatccaagt tcaaaccctt aaggatttca ggcttcaaag 360
 gcagcaccca aaatgatgat tcaggaatca gagctaactg gttgaaggca cccaatactt 420
 ctgttagatt aggagagagc gnngaggctc acaatgttcc actgtcttat gcactgaaa 480
 caaatgatag cattgcaaca tcactgcta ttcatagact tttcaataaa tggctgacaa 540
 tgttgcgac gcaa 554

<210> 13443
 <211> 535
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220148f10a1

<400> 13443
 aaagaaagaa gaatggagga ggaaggtgac atatacgacg gtgttcgagc tcagttccct 60
 ctctcattcg ggaagcaatc gaagcctcaa acccctcttg aagccatcca caatgcgaca 120
 cgtcgttcca attccaatcc caaaacagcc aacgaccttc cttctgtctc ctctcttcc 180
 agggattggc tcaattccct ccgccctccc aaaacccta ctctctctcc tccgtgccg 240

ccgccagatc acgacgacgg cccaatggtg ggaccgccgt cgccctccgcc cacagctgcc 300
gacgaagaag aagacgacga cgacgccgag atgattggcc cgcccccgcc tccgccgttc 360
gcgtcggagt ccgaagacga ttcggatcaa gatgaggtag gaaccgcgtt ccggattccc 420
ctcagcaacg agattgtact caagggccac accagggttg gtcagctctt gctgtggacc 480
acacgggatc aagagtgctt tctggaagct atgactatat ggtacgaatg tatga 535

<210> 13444
<211> 471
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<223> Clone ID: jC-gmf102220148f10d1
<400> 13444

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tacatgacta atttacagac atgaggtact aaaacattag aggtgttaca atttcaacag 120
catcattgcc ttaaccgaaa ctttttccag cctctcga aataaagtac agttcactct 180
tgcctaccgt ccccttggtt gccatctttg tgatacaata acttggtaac ccgatcattt 240
ctcctcatcc tcagaatctg actttgcaaa aactggctca ggttgggttt ctgcatatgc 300
tgagagcaatg aactttggat cctttgctgc agcatcagca tatttcagga tagcttcctt 360
tgatcttac tccatccatg tctccttgat cataccacct ttctttaaaa gatactgggt 420
cagtaagctt ccttgactag taccaactcg tccaccaaag ccaggacctg t 471

<210> 13445
<211> 607
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<223> Clone ID: jC-gmf102220148g02a1
<400> 13445

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ctgtaaacia gtggcgatgt ggggctgctc caatagcatc tatgatgact gtgaagcgct 180

ggtctccaaa tccaggagcc acatcaattg gaaaaccagc tattcatcca gctactgtgg 240
 acttgagagg caaagcatat gagctgttga gacaaaaggc acaaagcttt cttatggatg 300
 atatctacag aaatccaggt ccacttcagt ttgatgggcc tgggtgcgggt gcgaagggtta 360
 taactctttc tgttgaagac caggactaca tgggccgcat taagaaactt caggagtacc 420
 ttgaacaggt tcgaaccatt gtgaagccag gatgcccnca ggaggttttg aaagctgctc 480
 taagtgtcat ggcgtcggtt actgaagttc tagctgcaat gtcaacatct tctactaaca 540
 cctgtcagc catgtgagag taacanatgg atnngtgatc tttccaaaat tttctggcac 600
 gaggggtt 607

<210> 13446
 <211> 574
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220148g03a1
 <400> 13446

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 tcaatattga caaatgggtga aattgacggc tttagtgttg gacaactctt acttttcta 120
 gcggagtcac attctggatc cctttatggc catgcttctg aacgccatgg aacgtacgtg 180
 tgggtgtgatg gttgcgtata cgagggtgaa tggaggatag ggatgataaa tgcttatgga 240
 aaactaagat ggccttcagg agcagcgtct gaagggtgatt tctctgggtg atatatccat 300
 ggtacgggca catacattcg ttctgataaa ttgacatctt aaggtagatg tgacgttgaa 360
 gtcttaaaca tggttgatca gtttcaagtt tatgctaata gagatacctc tgaatgggtc 420
 tggatgcaag gaacacaata ggggcctgtc aagtatacct ggaccaatgg taatgtgtat 480
 gtanggaata tgaaaggcgg gataatgtca tgcataaggaa ctcttacttg gataaatgg 540
 gactcatacg atggaaactg gttaaaatgg atga 574

<210> 13447
 <211> 431
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220148g04a1

<400> 13447

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gcgcatcata cgcattcata agcagctatg gccactgtaa gaactgtgat gacgttctcc  120
tcatgagttc atcaaagctt actcttatga cctgaagcga tctgacgaga tggagctgtg  180
agagtggact gatattgaga aaactgggag agttatggag ttggctcctt atgacctga  240
ctggtactat ctaagagatg cttgcatggc aggaaagatc tactcgagag gatgacttgg  300
tgtctgagcc tattagagga ttgatgggtg aagcaagatg aatggctgtc gccctgctga  360
tttctgcaag agcagcgggtg ctgatgatag tcacagtctt aatcattgca gaacatgagc  420
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<210> 13448

<211> 423

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220148g05a1

<400> 13448

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cgtgttggtt acatgatcga acgcccgtac ctgactgtg cgaaccgggc attctagcat  120
cggacgcgct acacactgga ctgatgacct ggatcgctcg gtcacgtatg actgcagcga  180
gtagactggg tccgatctgt atggatggga gtcctgtgct tcagcagcgc tgcctgaaa  240
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agcacagcgt aaagctcggc acaatgatcg aggagagtgc tgataagcga agtgctggtt  360
cgatacaaag actgctagga atcgctgagg aaggacctct aggccgaagc agtgtaagct  420
ctt                                                                423
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<210> 13449

<211> 425

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220148g06a1

<400> 13449
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aacaacaact cctctttaac cgttggagct agaggtccaa ttctgcttga ggattatcat 180
cttgtggaga agcttgcaaa ctttgacagg gaacgtatcc cagaacgtgt tgtccatgcc 240
aggggagcta gtgcaaaggg tctctttgag gtcacacatg acatttctca cctgacatgt 300
gcagatttgc ttcgagcccc tggagttcag acgcctgtaa ttgctcgttg ctcaactgtc 360
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tacac 425

<210> 13450
<211> 497
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmf102220148g07a1

<400> 13450
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cttgactttg gttttgcaca acagggggat cttgacatat caagatttgg aggaaaacca 120
aatacaaata taggccaggc tatcttaagt gcctggactc aagcatgtgc atcaccaact 180
gctgtcaaaa ttgtgattcc agctggcaca taccaaagg gtgcagttga tgtcaaagg 240
acttgcaagg ctctattga ggttcaagtt gatggaacaa ttcaagcacc tgcaaacc 300
actgacctta aggcggctca tcaatggttt gatgttcaat atgttaactc tttcacctg 360
tcggcaaagg tgtttttgat ggtcaagggg caactgcttg gaaacaaaat gattgtacaa 420
cagacaagga ctggcagatg ctttgcata attttggtta taatttctc actaattcaa 480
ttgtccgtga cattact 497

<210> 13451
<211> 538
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmf102220148g08a1

<400> 13451

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 ctctacgccg acgtgactcc gagcaccgcc gagaacttcc gcgcgctctg caccggcgag 180
 aagggcgccg ggcgagcgcg caagcccttc cactacaaag gctcgtcctt ccaccgcgtg 240
 atcccgaact tcatgtgcca gggcgggcgac ttcaccgccg gaaacggcac cggaggcgag 300
 tcgatctacg gcgccaagtt cgccgacgag aacttcgtga agaagcacac tgggtccggc 360
 atcctctcca tggcgaacgc cgggtccgga accaacggat ctcaagttctt catctgcacg 420
 acgaagacgg agtggctcga cggaagcacg tcgtgttcgg acaggtcgtc gagggatgga 480
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<210> 13452

<211> 533

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220148g09a1

<400> 13452

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 gatcaagagg atagagaaca acaccaaccg tcaggctact gactctaac gacggaatgg 180
 ctttttcaag aaggccaacg agcttaccgt tctctgcgat gccaaagttt ctattattat 240
 gttctccagc actggaaaac tccaccagta catcagcccc tccacctcaa caaagcagtt 300
 cttcgatcaa taccagatga ctctgggagt tcgatctctg gaactctcat tacgagaata 360
 tgcaagagaa cttgacgaaa ctgaaagagg tgaataggaa tcttcgtaag gagattaggc 420
 agagaatggg agattgtctg aacgagctgg gcatggaagg atctcaagct cttgacgaa 480
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<210> 13453

<211> 541

<212> DNA

<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmf102220148h02a1

<400> 13453

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caaaccctcg gtcagtctct cggcccaaaa cgcccctcct cctcctccgt cacgtcccct 180
tcctccacca cctcctctc cccctcgcg gtcggaaccg acgacgactc cgacgccggc 240
gtcaccacc actccccgac gcaagtctc aaaaacttca acgagattcg cctcctccgg 300
atcgagctcc ccagcggcga gctaggcatc gaagacggcg tgctctcaa atggcgcgcc 360
gatttcggat caactctcga caattgcgtc atcctcggcg cctcctncgt cttccacccc 420
aaagacaacc taaccgacc catccccacc accaattgca acgcanacga cgacaacgga 480
agcatccctg attccttcta caccaacggc ggtctcaaac tgccggttgt gtggaccatc 540
a 541

<210> 13454
<211> 578
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220148h03a1

<400> 13454

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tttgccctct ggttccattg gattctgaac catatctatg atgggcaaag ggcggtggtg 180
atttaagtca gatgaaaatt cagaacattt ttgtgggcaa agaggctgaa gttatcacta 240
atggctttga gggttatagc aatttcagtg gtttctacag tattaagctt tgtgggtctg 300
cagttttgca cagacttgct tttggataaa cttacatcag atgggctagt cggctggaat 360
ctaattcact tggacaatgc cagccaagac attgagttgc ctttgggttt gtacaccacc 420
atagggctac tggatgaatt catgatcaat gtatttatcc ttctcaatct ttgcctcagg 480
ctgtgttttt acggagttat atgcttctga actcgttaact ggtgaacgct tcattatttg 540
tcattttacag ggatgttcta ccatgatgtg caccaaca 578

<210> 13455
 <211> 608
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220148h04a1

<400> 13455

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gccccagtt  gagaagcctc ctgttttaca accttcagtt gagaaccccc caattgataa  180
gcctacagtc  gagaagccac caatgtccaa gcaccagct  gagaagcccc cattgtacat  240
gccccagtt  gagaaaccac cagtgtacat gccccagct  gagaaaccac cagtgtgcat  300
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agtccccagt agaaaaacca cgagtgtaca agccctcagt tgacatgccc ccaggttaca  420
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agccaccagt tgagaagcct gcagtgtaca agcctgcagc tgagaagcct ccagattaca  540
agccaccagt agagaaacct ccaggttaca agccccagct gataaaccta ctattacaag  600
ccacctgt                                     608

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<210> 13456
 <211> 541
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220148h05a1

<400> 13456

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gaggggcttg agaatgtttt gttgtcaaag ccactacttg aggctttatt gcattttgag  180
gctattcaac ctttgccaaa gcgtgttggt gtcgactttt tggagtcatg ggttgtcaaa  240
ttcataatgc ctaactcaga gagtgctggt gtagcaagtc caacagagcg tgaggaactt  300
tctagtattc ttctggagtt tttaaatctc tttggtgatg ttcaatctat caagagagct  360

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gaagataggc atgccaaatt gtttttgcct cacagaagca tgtcagagtt gaaaaaacgt 420
 catgctgagg atgtcttagt ttcggacaaa acaaacgtgc ctagatcgta ttctgctcag 480
 tcacctgccc aatctgcgat ggggtgcatat ccaaatgcgc agaaccagtg gactaattat 540
 g 541

<210> 13457
 <211> 394
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220148h06a1

<400> 13457

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 gaggggctag aaaatgatat ggcgtcaaag ccactactac taaggaatat ggcgacctta 180
 cgctgtaagc tcgttgacaa accttgtccc agaacacttg ctggaatcat gcgtcggcta 240
 ctggatatgg cctagctcac tatgtgctag cgatgcatgt acagctgacc gagaggaacg 300
 atgaactatg aaagctggaa gcaatagatt gtgggatgca cgctcatgaa tcaactgagag 360
 acctggatga gcttgtcgga tggtttaact acta 394

<210> 13458
 <211> 338
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220148h07a1

<400> 13458

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 tttggggtgg catctatgcc cgtgatcata gtactactaa tcaactgctgt tggcttgctt 180
 cttgcactgg acaacgtaaa tttgttgga acagatgcag ggatacaagt gaatcatctg 240
 gtgcatcatg cgatcaatcc tgcactgggtg ggtggcaatc tggccgacac gattactttt 300
 gagaacgttg atctattgag ggtcatgcac cacaatat 338

<211> 236
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700863080H1

<400> 13461

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 cgatgggcat gtcattgttt gcaagattgc acaggctcgc ctcagtgaag cagctgcaga 120
 ggctgtgaag aaactgtgcc aatatccgca ggaaatgatt tgtccacaaa gtgttcttgg 180
 gcagatcatg ttcacatcat ctatccttgg gcctctgctt tgcactacgc aaatac 236

<210> 13462
 <211> 241
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700863082H1

<400> 13462

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 cttctctacg tgaagctcct tgttttgcat aggagctagt tgaaatgtcc gagggaaatg 120
 cagggaaagg aaagaaaatc gcatcattgg tgtctcaacc ttattgttgg tggctatggt 180
 tgtggcggtc acaattgggg tcaatctcaa tgagaatggt tccaacaatg atatagagga 240
 c 241

<210> 13463
 <211> 240
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700863083H1

<400> 13463

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 ggcgtagcgg gggagagagc caaatcgaac tgaaacgttt cgaaattcat tttttttttc 120
 taacatactt aaagagagag aagagagaga gagagagggg aggggttgcaa attccatgag 180
 agcagaagag ggcctctta ctogtctcgt ctttcaccgt tacgagttag ttcgaccctt 240

<210> 13464
<211> 239
<212> DNA
<213> Glycine max

<223> Clone ID: 700863084H1

<400> 13464

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cgatattccc atccccacac atctccatt gtactcttac tgcttccaaa acttgtcaaa 120
gttccatgac cgtccatgct catcgacggc gacaccggcg agaccctcac ctacgccgac 180
gtcgacctcg ctgctcgccg catcgctcc ggctccaca aaatcggcat ccgccaggg 239

<210> 13465
<211> 236
<212> DNA
<213> Glycine max

<223> Clone ID: 700863085H1

<400> 13465

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attcagaaag tgacttgtga ggcagggaag gtagcaagtg aagcacaatc tggggggcca 120
agagcagctg ttcattatgt tgctacagaa tcaaagcatt ttgtgttgat aaattcagta 180
aagtgtgga atggactcaa ccactatcca ccattccatg cactgtcaga gatggc 236

<210> 13466
<211> 236
<212> DNA
<213> Glycine max

<223> Clone ID: 700863086H1

<400> 13466

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tccgagcttg ttagatccac gacaaggttt cgtttccag attcttttgt aaaaaaaat 120
tcttctctg cccaacagga agttgtaaaa aaatggacca tgacaagact gggtgccaag 180
ctcctcctga aggtcctata ttgtgcatca acaactgtgg gttttttgga agtgca 236

<210> 13467
 <211> 240
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700863087H1

 <400> 13467

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 acatggcgcc atcgctggac tgagacaaga cgtagtggtg atggagggtgc cgaagctggg 180
 aaaacaagcc gcaacgaaag cgattaagga gtgggggtcaa ccaaagtcaa agatcacaca 240

<210> 13468
 <211> 240
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700863088H1

 <400> 13468

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 tgagttccaa cacctttgct ttggaaattg attccacctg atcaagtga agagattctt 120
 caggcttcat ctttgtttct tcacgtaaga acattgctct ccggttttgt aacttaaaat 180
 attaccataa ttttcgttga gtttaacatg tagccttcat tggtgccaat aacatgtagt 240

<210> 13469
 <211> 242
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700863091H1

 <400> 13469

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 aaggcagaga aattatcaag caagaagaaa ttggttacca cagctacaat aatgattata 120
 actttatgct taatcacagc acaatattaa tgatggagaa aagtcatggt ttggtgagtg 180
 gtttagccaa acactactaa caccgttgga ttatgatctt gaggatatta agcaattgat 240

ta

242

<210> 13470
<211> 240
<212> DNA
<213> Glycine max

<223> Clone ID: 700863093H1

<400> 13470

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atacacaaga ttggaagcca tcttgggcgt gggaaggaag aagacgctca tgaatttttg 120
aggtgcgcgg ttgatacaat caatctgttt gtctcaagga agttggtgtt tcaagtcctt 180
tggcagaaga aacaactcta gttgggttaca cctttggaga taaagtgctt aagatgcctg 240

<210> 13471
<211> 234
<212> DNA
<213> Glycine max

<223> Clone ID: 700863094H1

<400> 13471

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cccccttggg gtttttagtat tttttaaggg ccatgaatta ataatagtcc ttacctttgt 180
gcttttgtac gtcttatgat ttatcctttg tggggatata atgtgttgtg ttca 234

<210> 13472
<211> 241
<212> DNA
<213> Glycine max

<223> Clone ID: 700863095H1

<400> 13472

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caaagttcag tagtcgattc ttgggtcacct tctgagactc taacttcacc ttcctgacat 120
acccttcata ccaatcttcc tttctgtttc cttttcctac cttccttcta tatacacttc 180

atctccacct cttcttcaca ctactagat tttttcacct ccaagtcttt ctgttcacta 240
t 241

<210> 13473
<211> 240
<212> DNA
<213> Glycine max

<223> Clone ID: 700863079H1

<400> 13473

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ctccgatgat gctcgccatg ggtcgaccgg atgctagact acaatgtgcc tggaggaaag 180
ttgaaccggg gactgtcagt cattgacagc tacagattgt tgaaagaagg acaggcatta 240

<210> 13474
<211> 237
<212> DNA
<213> Glycine max

<223> Clone ID: 700863041H1

<400> 13474

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acgatgagag gaaggggggag tcgaggtttt tggatgatga cgcgaagtcg ccggagctag 120
atgttggtggc ggcggtgagc ttccgcggcg ggtgccgtac gggttccatg ggctgtttgt 180
gaaggagagt gagctgagga aagtgtcggt gtcgtgaagc tgagacatga tggttcg 237

<210> 13475
<211> 241
<212> DNA
<213> Glycine max

<223> Clone ID: 700863042H1

<400> 13475

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tcaagattcc tgtatacgaa cattttcaac gaaacttgat ttcgtctggt ggcaatgaat 180
 cgtattatgg gtattttaac aggagatcat acacttcact ttatatggga actggaactg 240
 t 241

<210> 13476
 <211> 242
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700863044H1

<400> 13476

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 acaacgtcaa ggccaagatc cagacaagga aggaatcccc ccggaccagc aacgtctcat 180
 tttcgccgga aagcaacttg aggacggccg tacccttgct gactacaaca ttcagaagga 240
 ga 242

<210> 13477
 <211> 242
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700863045H1

<400> 13477

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 tcacacctac ttgcttccca aatcgtgact atcttctctc tccaactggg gctcaggtga 180
 aagtttctga tcttgaaggg aaagtagtgg gtctattatt cgctgcgaat tggtagccac 240
 ct 242

<210> 13478
 <211> 239
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700863046H1

<400> 13478
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 gtcttgttcc atcttcaaga taaagaacaa atccaccagg tcctaaaccc ctcccaatta 180
 ttggtaacct tcacatgctg gggaaactcc cacatcgttc ccttcaagcc cttgccaaa 239

<210> 13479
 <211> 246
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700863048H1

<400> 13479
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 cttccactat tagaagctca ccctttaaca gatgaaagag aacaagacca aagtttccca 180
 cgaaggtttt ggcttgagtc aaagaggctt tggcacatag taggcccttc aattttcagc 240
 cgtatt 246

<210> 13480
 <211> 246
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700863049H1

<400> 13480
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 gaagcccaag agcattcgca tccgtaactt accaacgcac ctgctgctaa tcgctgtttg 120
 tctgttcacc tcttcgtccg cttccagatc ggagaaaatt gtgggtcaga caacaaatgc 180
 gacgctggac tcagctgcca aacatgtcct gccaatggaa atacccgacc aagctgttcg 240
 cggaca 246

<210> 13481
 <211> 244
 <212> DNA

<213> Glycine max

<223> Clone ID: 700863050H1

<400> 13481

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 caaaacagag aacaagaaga agagaaagag agagagtga aacgggaaaa gcaaaaagtt 180
 gtttctgtga ttgattctct gcaaccgaat catcatcagc cacttcttcc cgtttcatct 240
 ctcc 244

<210> 13482

<211> 241

<212> DNA

<213> Glycine max

<223> Clone ID: 700863053H1

<400> 13482

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 gcaccacaa cgcagaaaac gggtcgtatg caacccccaa atgaagtga agaaacatac 180
 ctcagacctt agcagcaccg ttggcgtctg cgctctctgt ctaagggaac gcctcatagc 240
 c 241

<210> 13483

<211> 240

<212> DNA

<213> Glycine max

<223> Clone ID: 700863057H1

<400> 13483

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 ctctctgcct tcaacactga gatggatttc atctgtttgg aattgcaaag gtcaggaatg 180
 ggaagagcat gtgagttcct catcaggatt ggcttctaata tcatcccaag aatggcttcc 240

<210> 13484
<211> 238
<212> DNA
<213> Glycine max

<223> Clone ID: 700863058H1

<400> 13484

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aattaacttc agaatccagg tcatcctctg aagctagtgt agattgaagg atcacacatt 180
gtccagaaca cgtacgacac gcttgatgtg catgttgggc aatcagctgc tgtgttgg 238

<210> 13485
<211> 243
<212> DNA
<213> Glycine max

<223> Clone ID: 700863059H1

<400> 13485

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catacatatt ttcgccaac cgccgattcc gttgagcgtt tctaccgtag cgctcaggaa 120
ggaggcagt gctggtggtg ttgttggtg ggagggtggt ttgctgatca tttgtggtag 180
agggtaggaa agaaaaaaaa gttgaaaatg agttcagaca gccgcagcag gagcagaagc 240
agg 243

<210> 13486
<211> 242
<212> DNA
<213> Glycine max

<223> Clone ID: 700863060H1

<400> 13486

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gtattctgca gtttagctct gaattctact tggaagttcc tattgctgta ttggtaaggt 120
tgcttcgatc aggctcagat acacagtgtg tgggtgcttta aatgctcttt tgggtgttga 180

aaatgatgac ggaactagtg cagaagctat ggctgaaagt ggtgctatag aggctctctt 240

gg 242

<210> 13487
<211> 241
<212> DNA
<213> Glycine max

<223> Clone ID: 700863061H1

<400> 13487

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gagcaaaggg tgggtgtggtg ggcttcttgt ggttgggtgtt ggggtgcgca ggataatcgg 180

caaagtaagg tgaaggttag ggagagaaaag aatcaaatca aacaaacaac cccattttaa 240

a 241

<210> 13488
<211> 195
<212> DNA
<213> Glycine max

<223> Clone ID: 700863063H1

<400> 13488

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ctcctagcac caatgacaat gatgttaaca tgcagatgct aattccaagg caactgctga 120

tgcccctggg tccgaaaatg ggaccctga ggcaggagat aagcctgtgc aaatggatac 180

tgataccaag gttga 195

<210> 13489
<211> 241
<212> DNA
<213> Glycine max

<223> Clone ID: 700863064H1

<400> 13489

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 tgagggccct cgtggaaaac tcgtgcgaga cttccaccat ctgaacttgg acttccaact 180
 tattaccgac gatggcggta aaaggaagct caagattgat tcttggtttg gttctcgtaa 240
 a 241

<210> 13490
 <211> 244
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700863066H1
 <400> 13490

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 gttctgcttt gcctctgcac tgccctttca gtatcggagt ccaaactctgc ttctgtgcaa 180
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 ctgg 244

<210> 13491
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 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700863067H1
 <400> 13491

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 gagtgagttc gatagcttcg agaagtgcgt ggtctctttg aaggtggaat caagctgcca 180
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700863069H1

<400> 13492

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agaggggtcca gtggtgtgtt cctccacggc ttccctgagc tctggtactc atggcgccac 180
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<211> 236

<212> DNA

<213> Glycine max

<223> Clone ID: 700863070H1

<400> 13493

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gtttgactga gggaataaag gggacaagac atcagaagat gatgaaatta acaagctctt 180
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<210> 13494

<211> 237

<212> DNA

<213> Glycine max

<223> Clone ID: 700863071H1

<400> 13494

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agcttctccg cgcttccgat acgccgatga tgatgcgata ttctatgatt cgttcgacga 180
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<211> 238

<212> DNA

<213> Glycine max

<223> Clone ID: 700863072H1

<400> 13495

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 agtccatgag cacgccagcc tttcaggggg cacgggcctc ttctctgggt tcaactcggtt 180
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<210> 13496

<211> 238

<212> DNA

<213> Glycine max

<223> Clone ID: 700863074H1

<400> 13496

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 atgacgcatt tgtccctgtg ttggcaagcc agtcgattca tcttggaata cattaacaca 180
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<210> 13497

<211> 241

<212> DNA

<213> Glycine max

<223> Clone ID: 700863075H1

<400> 13497

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 ccggacgcgg atttgctga gacaatcacc aaccatgga agttgtagct caacctgaaa 180
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<210> 13498

<211> 242

<212> DNA

<213> Glycine max

<223> Clone ID: 700863076H1

<400> 13498

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tcagcctgct atgagggtat ggggaaccagc cagcaatgca acccgatac cagaatcctc 180
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at 242

<210> 13499

<211> 240

<212> DNA

<213> Glycine max

<223> Clone ID: 700863077H1

<400> 13499

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gggaaggggg tcacagagag acctcattat gcaacgctac catgttactg gacgggacga 180
ttacaaaaaa tattcaggtt tatgccatat ggttcagaag ttagtaaaca tattgaaaca 240

<210> 13500

<211> 238

<212> DNA

<213> Glycine max

<223> Clone ID: 700863039H1

<400> 13500

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gatatatact aaatgagcag ctggaactgt ctccacagca ccttaatggc aatacttttg 120
ctgataaatt aaggttttca attcaacctc cagggaggag ccatcttcag gaagcatttt 180
gaactcatca gcaaagcctt gggataggca aattgggaat accgatttgc acgttacc 238

<210> 13501

<211> 251
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700863001H1

 <400> 13501

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 cattcaacag aagccttttt ccttccattt tctcttttga attggttctt ctgcttacca 180
 ggcagaagga gcagcaagtg tagatgggag aggaccaagc atatgggaca cctacactag 240
 acagcatact g 251

<210> 13502
 <211> 252
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700863004H1

 <400> 13502

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 cccccaacgt catcaacgcc accttccgca acttcatcga agtcatectc gagaacccca 120
 ccaaggtcac ccagtcctac aaccttgatg gctctctttc ttttccgtcg cggttgaggc 180
 ggggcagtgg agcccagaga agaggaagtg ctacaacctt cttgatgctg tcagcaggca 240
 caccatccag gt 252

<210> 13503
 <211> 226
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700863005H1

 <400> 13503

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 cagatgaatt cccaaaacga ggtagaatcg ccgctacaat tggaggagca gcctcaacaa 120
 caaaacaaca caacaacaag aaccacccat tctcatcact aggaagacaa tcttcttcaa 180

tatactcgct caccctcgac gagttccaac acactctatg ggagaa

226

<210> 13504

<211> 240

<212> DNA

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<223> Clone ID: 700863006H1

<400> 13504

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ttcacgagtt tatagaaatt tattttcatg ctttactcag ttaaaaagca agtgccacta 180

ctaccacatg gtgctagtca tgggatattt cataggacgt gtgtgtcaga aaaattcttt 240

<210> 13505

<211> 198

<212> DNA

<213> Glycine max

<223> Clone ID: 700863007H1

<400> 13505

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tagtctgac atgttcagca ataacaatgt ggctaaggat gtgctccttc ccggggaaca 180

aatagttaac gtccagga 198

<210> 13506

<211> 196

<212> DNA

<213> Glycine max

<223> Clone ID: 700863009H1

<400> 13506

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accgtcgagg tggatttgac atgctccgat ggtactttgc tagagctgct gttccaagtg 120

gtgcatccac tgggatttat gaggcccttg aattgagaga tggaggatct gactaccttg 180

attctccctg catcacatac acagtcattc tctctctct tttgacctaa atcatcttct 180
gctgattccg cgcatttttc tgtgacgaat tgctcccaaa ttgtttcggt taacagtgtc 240
cgtg 244

<210> 13510
<211> 252
<212> DNA
<213> Glycine max
<223> Clone ID: 700863014H1
<400> 13510

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accacctcta ctttctctct ctaggggttc gtcggaact ctactctcg ctttcgctct 120
gcttgtcacg attgtagggt tccaatctc gcgcaattgc atcacagtct gtgatcgacc 180
gagttttgat tcttcccctt cctcgggcta aaggattgtt gtcactctg acacaaacca 240
aatgttgctg ta 252

<210> 13511
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<212> DNA
<213> Glycine max
<223> Clone ID: 700863015H1
<400> 13511

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tgatgccaac cctatccgtt tagcgctgga cttggagtgc caggtgctgg acgtgatcgg 120
acagagccgc cacgtctctt ccttcgcccg cttcgctcgc cgccacggca agcgctaccg 180
ttccgtcgac gagat 195

<210> 13512
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<213> Glycine max
<223> Clone ID: 700863016H1
<400> 13512

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 ccacctactc ttgcgtcggt gtgtgcaaca tgaccgcgtt gaaatcatcg ccaacgacca 180
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 tgcgg 245

<210> 13513
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 <223> Clone ID: 700863018H1
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<210> 13514
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 <212> DNA
 <213> Glycine max
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 caaatagtct gtgcagattt tgggtggcaag aagcgttcac tccctggtaa tggtttctgc 180
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 acaa 244

<210> 13515
 <211> 242
 <212> DNA
 <213> Glycine max

<211> 246
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700863027H1

<400> 13518

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 ttcttctctc tcttccaact agtcattggc accattttca tcatctcaaa ccttgccaac 180
 acccacaac accaacaaca agaaccacaa caagcacatg actttccaca ccaccatctt 240
 ccaga 246

<210> 13519
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<223> Clone ID: 700863029H1

<400> 13519

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 tcacccctct caacaacaac ataaagagac tgagggtccc aaaaatgaag gccaaagtaaa 180
 caagccagaa caacaaccag ttttcacccc agaaacagaa aacagctatg gtctatatgg 240
 tc 242

<210> 13520
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<223> Clone ID: 700863030H1

<400> 13520

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 cggcgagatt cccgaggctg tcaatcagcg atcgagcacc ggcgaaaagc ggcaagatg 180

aaggttttcg tgaagactct caagggcacg cacttcgaaa ttgaagtga cccttcggac 240

a 241

<210> 13521
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<212> DNA
<213> Glycine max

<223> Clone ID: 700863031H1

<400> 13521

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agagacaatt aaagatgtat agatgcaatg cgactggctc tggttattgt tgctgctggt 180

atgctctttc ttgcatttct cggattctta ttttcaatat ttgggctgca aggtcttgta 240

<210> 13522
<211> 246
<212> DNA
<213> Glycine max

<223> Clone ID: 700863032H1

<400> 13522

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ccacttcctt ccgtagcatc gtgggtggaag accacggaca agtacagggg gggatccact 180

acaatcgtcc tagggaaaca aatcctagaa caaacttatt ccctcgaaa ctacctcaac 240

ggaaca 246

<210> 13523
<211> 249
<212> DNA
<213> Glycine max

<223> Clone ID: 700863033H1

<400> 13523

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tcccataatc gccgaaattg atctgtacaa gtacgaccct tgggaccttc caggaatggc 240
tttgtacgg 249

<210> 13524
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<212> DNA
<213> Glycine max
<223> Clone ID: 700863035H1
<400> 13524

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aggtgggtta gggtttactt tgaggccttg gacgagagtt ttccgcggac gagcaacgag 180
cgtttgatgc ttgagagggc ggcggggagg gcggtggtgg acctggtggc gtgttctccg 240
gcg 243

<210> 13525
<211> 239
<212> DNA
<213> Glycine max
<223> Clone ID: 700863036H1
<400> 13525

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aaccctaagc cgggaactat cgtcacgtg tcacccaaaa agggcccttg tggatcatct 180
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<212> DNA
<213> Glycine max
<223> Clone ID: 700863038H1

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<210> 13527
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700862996H1

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 <212> DNA
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<223> Clone ID: 700862956H1

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 acgagctact ttcattggtgc ctctgcggc cgtttatoga cagacttccg gcctcctccg 180
 ccacatttgt atgtcttgaa tcagcagaag cctttggcct tgatgccaat aacttgaggt 240
 acatcactga tcaattccgg taaaaattg catatgagag gctgaaaaga acagcaagat 300
 attactcatc caattggaga acttgggctg ctgt 334

<210> 13529
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700862958H1

<400> 13529

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 ggcattttgg gcatcgcttg gtgcttcggt ggcattgatct tcctccttgt atactgcacc 240
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 <212> DNA
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<223> Clone ID: 700862959H1

<400> 13530

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<210> 13531
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 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
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<400> 13531

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 tatacccaga aaggaaggga aaacatagtt ggctcaagaa tcaaattggtg atgacgataa 180
 ccttttgtgc ttctccagca atagctttca ttctgaaaa tgtcttataa gatgccatag 240
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 aagattataa caggttcaag agaa 324

<210> 13532
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 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700862962H1
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 aaatcaaata agaggtctaa tgcagggtct gatgaggagg aggaagcccg ggaccctaata 240
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<210> 13533
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 <223> Clone ID: 700862963H1
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 tgacattagg gacaagcaga gttttgtaga actattaaga ttaggagagg ctcaccgctt 180
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<210> 13534
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 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: 700862969H1

<400> 13534

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 ggctgtatta caaggtttga gganaagaat ccagcaatat gggaatctag atacttatgt 240
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<210> 13535
 <211> 214
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700862972H1

<400> 13535

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 aaaaagacaa cattattacc tcgtacgctg tcatctttga cggtggtagc acaggaaccc 180
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<210> 13536
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 <212> DNA
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<223> Clone ID: 700862973H1

<400> 13536

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<210> 13537
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<223> Clone ID: 700862974H1

<400> 13537

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tatgtctgtt ttcagttcag catttgccaa aactgctagt cctccctctc tgagcccaac 180
tccagcacca gccccggcac cagacttcgt gaacctcact gagttactca gtgttgctgg 240
tccgtttcac accttccttg gataccttga gtccactaga gtgattgaca ctttccanaa 300
ccaagccaac aacactgaag aaggt 325

<210> 13538
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<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: 700862978H1

<400> 13538

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ctactttcta gggtttgta cgtattcata tttatgctat taaattaaat ggccggcacc 180
ggcgaccttg atgccgatgc ggtactcagc gacgtcgagg acgacggcgg cgatccgatt 240
ccgctcgaga cgaaggctcc ctcgccggaa gacgtctccg tcgagaaact ccgggatggt 300
ctcgccgaac tcgataggga gcggt 325

<210> 13539
<211> 323
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700862979H1

<400> 13539

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 ttgtggagag gtcctatggt gacttgagga gccagctatc tacaaatggc ttcagtaaca 180
 tgctaacttc agatgtanag tacttagtat ctgataattc gagagcanag gtgtggagtg 240
 ctggctattt ttcatttgct ttgtgggatg ctggtacaag agagctactg aaagttttca 300
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<210> 13540

<211> 134

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700862981H1

<400> 13540

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 attgggggggt ttg 134

<210> 13541

<211> 333

<212> DNA

<213> Glycine max

<223> Clone ID: 700862984H1

<400> 13541

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 cccagaggaa gtggttttcaa tggttgagat gagcatccaa aacagcacag agaggaggaa 180
 gttgggattt ttctcttggt gaactggcaa cccattgat gattgctggc gttgcgaccc 240

caactggcaa cgcaatcgga agcgtcttgc agattgtggc attggttttg gccgaaacgc 300
catcgggtggc cgtgatggaa aatctatgtg gtg 333

<210> 13542
<211> 171
<212> DNA
<213> Glycine max

<223> Clone ID: 700862985H1

<400> 13542

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gcctatccca gtgactgaac ctgttggaac cccagtgag tgtttactgt tgaagaacat 120
gtttgatcca aacttgaga ccgaaccaga tttgatcta gacattaaag a 171

<210> 13543
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<212> DNA
<213> Glycine max

<223> Clone ID: 700862988H1

<400> 13543

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gaataatgat tagtgattct gtgggattat taggggaaaa aaggatgaaga atcgaatcgg 180
tacgaacgcg attcttagct ggagcgcgat gggaagatta ttgtgaagat ttgtctcgat 240
cgaccagaaa agcccgttta cttttaaagg gggcttctgt tccatattca cctcgtgtag 300
aattagaacc tgtactgtaa actcttttc 329

<210> 13544
<211> 319
<212> DNA
<213> Glycine max

<223> Clone ID: 700862991H1

<400> 13544

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[illegible]

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<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<223>      Clone ID: 700862995H1

<400>      13548
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<213>	Glycine max
<223>	Clone ID: 700862954H1
<400>	13549

6223

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 actgacatga atgttttaca ggtttatccg gatttagaag tagcttttgt catttcagaa 240
 ga 242

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 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700862927H1
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 caatgaagaa tgtggcgaac tgaacgtgga attgacggtc gaggagcga accttctgtc 180
 ggtagggtag aagaacgtgg tgggtgctcg tagggcttcg tggaggattc tatcgctgat 240
 tgaacagaaa gaagaagcta aagggaacga tgtgagtgtg aagaggataa aggagtatag 300
 gcagaagggtg gagtctgagt tgaccaata 329

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 <223> Clone ID: 700862928H1
 <400> 13551

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 caacaatggc agtcattgca ctgaaatgcc cctcaattga agtggctgtt gttgacatct 180
 ctaaattccag gattgcagca tggaacagtg accagctccc tatctatgag ccaggccttg 240
 atgatgtggt gaagcaatgt cgtggcaaga accttttctt cagcactgat gttgagaaac 300
 atgtctatga ggccgacata gtgttcgtc 329

<210> 13552

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 <213> Glycine max

<223> Clone ID: 700862929H1

<400> 13552

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 aggcataagg catgccattg ttgaagagtt agctgagttt ggagcaactg ttcatatatg 180
 tgcacgtaat caagatgata ttgataaatg tttagaagag tggaaaaaca agggacttaa 240
 tgtgactggt tcagtatgtg atttactatg ttctgaccaa cgtaaaagat taatggaaat 300
 tggtggctcc atctttcatg gaaagctcaa tat 333

<210> 13553
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 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: 700862930H1

<400> 13553

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 aaaaagacat ctatgataat caatctagaa ctgcttttaa gactatgtgg caaggcatgg 180
 atggactaag aggtccaggt ctttcaggca gcggcaatta ctttaagtaga agtgctttac 240
 tatttggaag tccaaaccan aaagacgact atctgaagga tgcacaaaag tactttggca 300
 agtctaccgc atacattgaa tcactgaagg ccat 334

<210> 13554
 <211> 309
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
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<400> 13554

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 atgctgatgg gggctctttt cacttgtggg gatcactgag gtgggtgatgc tgtgagaagt 180
 atatgatttg gtctttatct cgtgtgtttg tggagtttgc tatttgaaga gagagggtta 240
 tgaatttgac aagtggtaga ttttgttctt tttgtggtaa agatatgttc ttgggtggac 300
 gggggaatt 309

<210> 13555
 <211> 334
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
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<400> 13555
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 gccagattct gatgaggacc cggatgatga tttagatata tgaatatact cttgttggtta 180
 acttttgtat ccctaggtga catgaaagga tagattaggt ttatgactga acaaaatggg 240
 aaaaaataa tctgatactg ttttaattgct tagaagtga atgcagtgtg catcacattc 300
 canaatattg tacaacctac tgaggaacct gact 334

<210> 13556
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700862933H1

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 cactacaatt ctggaggggct ccgattaaat cctaactctgt acgagtcagg aaaaatttgt 180
 ctgagtctcc tgaacacttg gacaggcaca ggtactgaag tgtggaccct ggagcctcca 240
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DEPARTMENT OF THE ARMY

<400>	13557
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<210>	13558
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<212>	DNA
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<400>	13558
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<210>	13559
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6227

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<223> Clone ID: 700862938H1

<400> 13560

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 cacc 124

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<223> Clone ID: 700862941H1

<400> 13561

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<210> 13562
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<400> 13562

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 ctgtggcaaa ccccccaaaa agcacaagcc tggcanaaca ccaaagacac ccacagtacc 180
 cgttgt 186

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 <212> DNA
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 tctcccaaga gaagggccat tttgttacag tgtcggacac ttgcaaatgg atttagaaga 180
 caagttcctc gctaaaggga gggttctggg ttctagtga ggtcctctag ctactgctga 240
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 <223> unsure at all n locations
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 accggagttg atgattcaca atcatttcat gcaaggggtg gaggacttca cattgtagga 180
 aaacgcctct cagattatgc caaatcttgt ggagttccat ttgaggtcca cagtgtgtgt 240
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<210> 13565
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700862945H1

<400> 13565

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 atctgtacca attgttgctt caacaggtgg attagttgac actgtcaaag aagggtttcac 120
 tggatttcag atgggtgcct tcagtgttga atgtgatgct gtggatccag ctgatgtgga 180
 tgctatagca aagactgtca aaagggccct tgcagtctat ggaactccag cttttacaga 240
 aataataaag aactgcatgg ctcaagatct ttcttgaag gggcctgcta agaagtggga 300
 ggaagtgctg ctaagcctgg gagtt 325

<210> 13566
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 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: 700862946H1

<400> 13566

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 gtttgaactc atgttgacca ttgtgggtaa tccaagactg ggaaagggtg ttgtggctaa 180
 tatcagagaa ttggtgtact atactattgc ttttcttcaa atgactgagc agcaggttca 240
 tacatggtct gtggatgcta accagttcat tgctgatgaa gaagatgcca cttatagtgtg 300
 ccgctgtctct ggtgtgcttn tactggaag 329

<210> 13567
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 <213> Glycine max

<223> Clone ID: 700862948H1

<400> 13567

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 ttttgtaaac aataacatta acatctccaa ccttggcagc acaaagcaag ccgcaggatc 180
 tgggtccggtc ctctgctgtg caccgcgggt acccgctct gtgcctgcac accctctcca 240
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 tagcgcacac acgcccggcc tccaagttcc tg 332

<210> 13568
 <211> 341
 <212> DNA
 <213> Glycine max
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 aggagcaaca ctttgcagca aaagtctact cagtccattt ccaaggcttt tggtttgaa 120
 cctgttgag ctaaaaaggt cacatgctcc cttcaggctg atcttaagga cttggctcac 180
 aagtgtgttg atgctaccan aattgcagga ttcgcccttg ccacctctgc cctcgtgtc 240
 tctggggcaa gtgctgaagg tgttccaaag aggctaacct tcgacgaaat ccagagcaag 300
 acctacttgg aagtgaagg gacaggaaca gcaaaccagt g 341

<210> 13569
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 <223> Clone ID: 700862952H1
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 atcgccacag ctttccggca ggcttcactt tcggggcatc atcttccgcg taccagtttg 180
 aaggtgcggc aaaagaatat ggtagaggac caagtatatg ggatactttc atcaatcaac 240
 atccaggtaa gatagcagat ggaacgaatg gagatcgcg acttga 286

<210> 13570
 <211> 315
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700862953H1

 <400> 13570

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 ctggatcagg ctacaaaggt gggaaaaagt ggaagtatca ctatctacaa gagacatgaa 180
 ggcaaggaag caaagtgcaa cagagaaggc actaataatg aggaagtgca aagaattaga 240
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 caacttttgg gtggt 315

<210> 13571
 <211> 306
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700862926H1

 <400> 13571

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 gcaagcactt cccaatgatc ttattttccag gggaatggct gtggcagatc ctaatgcacc 180
 acatggccta aagctaacaa ttgaagatta tccttttggc aatgatggtc ttctcatatg 240
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<210> 13572
 <211> 371
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <223> Clone ID: 700862902H1

<400> 13572

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 attttccggc gaagaagctg ataagagacc ttaacctttt tccttctgaa gatgtcaaca 180
 tcgttcctcg ccaactcaat tctcacgcca acaaaatcgt cgagaaaccg cttagggttcc 240
 canacttagt gccttcagac tccggcattt ccctcgacga cttgggtcac cgcgctggct 300
 attatcttat tcctcattct catgctgcca aagatgtcta cttnttcttt gaatcaaagg 360
 acagcaagaa g 371

<210> 13573

<211> 344

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700862903H1

<400> 13573

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 gtggagcgtg acgtgtcaat ggattcgggg tttaaggagg agttgcggaa gctgatgggg 180
 accanacaag ttaaggttcc ggttggtgtc gtgaaaggaa ggttggtcgg ggggtgctgag 240
 gaaattgtga agttggaaga agagggataa ttgggtgttc tctttgaagg gtttcccaca 300
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<210> 13574

<211> 347

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700862904H1

<400> 13574

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gaactatgag ttatgcattg gacgctttgt gagatccatg tanatgagag aatagtctgc 180
 tagaagggtt tggagggttga tatcactgca tggaccaatc ttgactatat tttgcggttg 240
 cacatgatca tcgaagagga naattaagac gattcttaac aaagatgaga atgtacgctt 300
 ctcatTTTTat ttgaaaaggT tgataatttt cacatgatgt tattgaa 347

<210> 13575
 <211> 138
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700862906H1

<400> 13575

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 tcttatttcc gatcatga 138

<210> 13576
 <211> 336
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: 700862910H1

<400> 13576

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 aattaccaac gacaagggca ggctttctaa ggaggagatt gagaagatgg tgcaggaagc 120
 tgagaaatac aagtctgagg acgaggagca taagaagaaa gtggaggcca naaatgcatt 180
 ggaaaattat gcctataaca tgaggaacac aatcaaggat gacaagattg cttccanact 240
 gtcttctgat gataagaaga aaattgaaga tgcgattgag caggctatcc aatggctang 300
 atggaaccac ttgctgaggc tgacgaaatt gaggat 336

<210> 13577
 <211> 324
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700862911H1

<400> 13577

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 caaaacaact gggtgggctc cttgtatggc ttcttcctca gttggtagaa gagctacata 180
 ttcaacacaa tctgtatcga caaatgagcc agttgtatct gtagattggc tttatgataa 240
 cctgaaggag ccagatatca aggtactaga tgcttcgtgg tacatgccgg atgagcagag 300
 gaatccaatt caagaatatc aggt 324

<210> 13578

<211> 325

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700862912H1

<400> 13578

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 aggagcttaa ggggcaggac ttttaattata ttagtattaa tttacagtag ctgtggcggt 180
 ggttaatcat caaaagctct ctttttgatg cgagcgtgag tcaaaggcag gtttgttatg 240
 gaacgaggag ggggtttgaa gaaccccaaa ttgaataaag tggttttgat tggagggaaa 300
 agcttgaatg gaaggatagg gttcc 325

<210> 13579

<211> 360

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700862914H1

<400> 13579

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 atcctcctcc tcagaagaag aaggatcgat gtgggcagct tcttgcttgg cgtcatgctg 180

cgcggcctgc gcatgcgacg cctgcaggac cgctgtatcg ggaatcagcc gccgttccgc 240
caggatcgcc tactgcgcc tcttcgcctt ctctctcgtc gtcgcctgga tcttccgtga 300
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<210> 13580
<211> 334
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: 700862915H1

<400> 13580

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ttgagagggga tgagttacca tgtctttggt gtttatgctt atgctgttgc tgctattggt 180
ctcattcctg gaccctttat ctcccaaagg tgcagatcaa gagtgcttcc tccgctcagt 240
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ggatacacag gcatcagttt cagttcnccc actc 334

<210> 13581
<211> 331
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: 700862916H1

<400> 13581

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cgtcactttg ctanagagtc tgccccctcct gcccttaagg gagacgagat gctgaagaac 180
atTTTTgtgg aggtgaagaa caaatttgag accgccatag gaatattaaa gaaggagaaa 240
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attagagaga aggcaagctt attgtcggag t 331

<210> 13582
 <211> 349
 <212> DNA
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<223> Clone ID: 700862917H1

<400> 13582

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 tgttgagatg caccatgagg ctctcacaga ggctcttcca ggtgacaatg ttggctttaa 180
 tgtgaagaat gttgcagtca aggatctcaa gcgtggtttt gttgcatcca actccaagga 240
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<210> 13583
 <211> 350
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: 700862918H1

<400> 13583

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 tgaggtctan aattagcggc ggcgatggtg ttgcggccac cgtgaattcc ggtcgcaaag 180
 ggacggtgag atacagagaa tgtcagaaga accatgccgt cagcatcggc ggccacgccg 240
 tcgacggatg ctgcgagttc ttggctgccg gagaggaagg cacgctggaa gccgtaattt 300
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<210> 13584
 <211> 341
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: 700862919H1

<400> 13584

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 ttgaggttgt tgcagatata aggagctcag aggcctttgt tgctctttgc ttgctgactg 180
 ttgcagggac ttcactagtc acacagaatt tgggatttag tgacacgctt ggggcttttt 240
 tagctggagc aatttttagca gagacaaact tcaggacca gattgaagca gacataagac 300
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<210> 13585
 <211> 345
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
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 <400> 13585

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 ggtgcatcca ctgggattta tgaggccctt gaattgagag atggaggatc tgactacctt 240
 ggaaagggtg tatcaaaggc tggtgacaat gtgatcancg tcattggccc tgctttgatt 300
 ggcaaggacc caactgagca gactgctatt gacaacttaa tggtt 345

<210> 13586
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 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700862921H1
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 ccctgttcat ctgtatcttc cgccaacaag aattcaacat caatatcagt gccactgaga 180
 aattcatgtg ccctaaggga gtttatacct tcggtaaaag aggtataaac tcgagatgat 240

accaacgaat ctttcgttac tgatgagctt gaaaatcaga agtaggagat agatgatg 298

<210> 13587
<211> 336
<212> DNA
<213> Glycine max

<223> Clone ID: 700862923H1

<400> 13587

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cagcctccgc cgcagcagca acaaccctac gtcatgatgc cgccgcagca tcaggcgccg 180
cagcctatgt gggccccatc cgcccagcct ccgctgccgc agcagcctgc tagcgccgac 240
gaggtccgaa ccctctggat cggggatctg cagtactgga tggacgagaa ctatctctac 300
acctgctttg ctcataccgg cgaggtttcg tcagtt 336

<210> 13588
<211> 336
<212> DNA
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<223> Clone ID: 700862925H1

<400> 13588

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ccacagcact cctgtaccaa gcttttgtgc cagatctcac tatctctgcc tctaaaacat 180
actcatcata tcaacaaaac cgtgtagtct catcctacag tgaccttggt gtcactttgg 240
acattccaag ctccaacctt cgattctttc ttgtcagagg aagcccttat ataactgctt 300
ctgtcacaaa gccaacacct ctttccatca aaacag 336

<210> 13589
<211> 147
<212> DNA
<213> Glycine max

<223> Clone ID: 700764650H1

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 tggaattgat gaagagactc tgtctga 147

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 <223> Clone ID: 700764651H1

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 gttctgaccg tcaacaatac gggcga 146

<210> 13591
 <211> 142
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700764652H1

<400> 13591
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 aagaccatcg acgaatgtga tggacacgct taacatgctt ggccttgcca aaagaattgg 120
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<210> 13592
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taatgccggt aaacgccgct 140

<210> 13593
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 gatccccggg attttatcag 140

<210> 13594
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 <213> Glycine max
 <223> Clone ID: 700764656H1
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<210> 13595
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 gtgttttggc aggaaggtgg tatggcgaag gacgttgagg ttgctgagcg tggctccttc 120
 tctgggaagg actaccagg 139

<210> 13596
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 <212> DNA
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<223> Clone ID: 700764658H1

<400> 13596

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tcagattgtg tgaagatggg ggctgggtgg cgaactgctg ttcctcctgc caacaggaag 120
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<210> 13597

<211> 140

<212> DNA

<213> Glycine max

<223> Clone ID: 700764659H1

<400> 13597

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cttctgtaca gtttccaata cccatcattg atgtgcgtct cctctcatca gaagatgagc 120
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<210> 13598

<211> 145

<212> DNA

<213> Glycine max

<223> Clone ID: 700764660H1

<400> 13598

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tggtatttcc tcacgattgc tccttgccgc gcggtcacca ttaacagtcc gctggatcga 120
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<210> 13599

<211> 102

<212> DNA

<213> Glycine max

<223> Clone ID: 700764661H1

<400> 13599

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102

<210> 13600
<211> 146
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<223> Clone ID: 700764662H1

<400> 13600

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tgaaattctt ggtgtatata gaggggt 146

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<223> Clone ID: 700764667H1

<400> 13601

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ataatctttt aaaatttctg catcacgttg taaagtccaa gtctaaagat ggaagatatg 120

tgaaattgag gtttgatata aacaa 145

<210> 13602
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<212> DNA
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<223> Clone ID: 700764668H1

<400> 13602

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tgctagacat caaaggccaa ctggtactct tcttcctatg gctcatatca acgattctga 120

tacgttccat cttcaagaaa ccacagcg 148

<210> 13603
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<212> DNA

<213> Glycine max

<223> Clone ID: 700764672H1

<400> 13603

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gtgcatgatg agccacattc agagggataa aataatgggt cttatgttga tttggagtgg 120
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<210> 13604

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<212> DNA

<213> Glycine max

<223> Clone ID: 700764674H1

<400> 13604

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<210> 13605

<211> 141

<212> DNA

<213> Glycine max

<223> Clone ID: 700764676H1

<400> 13605

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agtggccaat agctttgatt ttcacgacaa ggatttggag tccgaggaaa gcctgtggga 120
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<210> 13606

<211> 148

<212> DNA

<213> Glycine max

<223> Clone ID: 700764678H1

<400> 13606

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<210> 13607
 <211> 148
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700764679H1
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 <223> Clone ID: 700764682H1
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<210> 13610
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<223> Clone ID: 700764683H1

<400> 13610

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<223> Clone ID: 700764685H1

<400> 13611

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 cttttactct ccctagtggc cgagact 147

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<223> Clone ID: 700764649H1

<400> 13612

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<210> 13613
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<223> Clone ID: 700764686H1

<400> 13613

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<210> 13614

<211> 145

<212> DNA

<213> Glycine max

<223> Clone ID: 700764687H1

<400> 13614

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gtatgcttca tcatttcgat tttct 145

<210> 13615

<211> 142

<212> DNA

<213> Glycine max

<223> Clone ID: 700764688H1

<400> 13615

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<210> 13616

<211> 104

<212> DNA

<213> Glycine max

<223> Clone ID: 700764689H1

<400> 13616

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cgtcgcaatg gcaatggact caagggtagc tcaagcaagg agtg 104

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<211> 140
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<223> Clone ID: 700764691H1

<400> 13617

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cgacgaataa gggatcacat tctcttaatc aaccatgttt acccgaattt ttggtaaacc 120

taaaccggaa gtcaatactc 140

<210> 13618
<211> 140
<212> DNA
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<223> Clone ID: 700764692H1

<400> 13618

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tgacgtgcaa atcggttcgtc tgacttgggt ataggggcga aagactaatc gaaccgtcta 120

gtagctgggt ccctccgaag 140

<210> 13619
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<212> DNA
<213> Glycine max

<223> Clone ID: 700764693H1

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acacagcata c 71

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<212> DNA
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<223> Clone ID: 700764694H1

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cccaggatga gacctgtggg atttgtagga tggcctttga tggatgttgt cctgactgta 120
aacttcctgg agatgactgc gcattgat 148

<210> 13621

<211> 150

<212> DNA

<213> Glycine max

<223> Clone ID: 700764695H1

<400> 13621

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tcccagaaag ggcttgtgca tggatgtctc atggtttcat gagtgtaaat acaaagttgg 120
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<210> 13622

<211> 151

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700764696H1

<400> 13622

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<210> 13623

<211> 231

<212> DNA

<213> Glycine max

<223> Clone ID: 700764589H1

<400> 13623

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 taagtcctcc agataatcct caggttaaag aacttcgctg cattgtgatg ccaccacaat 180
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<210> 13624
 <211> 232
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700764590H1
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 tccaactcct gaaactggag aagaatcatc gcacccgact gtagtggcgc ctgttcaagc 180
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<210> 13625
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 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700764592H1
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 caggtttaca ttatagatct caagaatgta cttgtgaaac tatgcacctt gatgtattgt 180
 gttgtatttg aagggaccat ttgcattaaa aaaagtggaa aagggggggc gccg 234

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 <223> Clone ID: 700764593H1
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 agtacggcac cggcagattg gagaaccgct cgtcggttaga ggcggacata gcggctgtga 180
 agcccagcca cgtgttcaac gccgcgagtg tcacgggtag aaccagtgtg gac 233

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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700764594H1

<400> 13627

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 tttatcacia agcaacttcc acataatgtg acgttgccgc tgagcttaat atatgccatg 180
 gaacacacgg gagatcgcg atcagtaacg actcaggggg agctggcaca tgc 233

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 <212> DNA
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<223> Clone ID: 700764596H1

<400> 13628

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 aatctttgtg tacccatggg tgtattggca acagggcctg gtataggagg ttgggtgctg 180
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<210> 13629
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700764601H1

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 agagccaaga cgacggcaag gactaccagg agccggc 157

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 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700764603H1
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 <223> Clone ID: 700764604H1
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 atcaatcctc cattcattat tcatcatgtc gtcggcgaag aaaatcacgc tgaagagttc 120
 ggacggcgag gctttcgagg tgg 143

<210> 13632
 <211> 145
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700764605H1
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 ggacgagaga tgatggtgaa gaaaatgggtg tctctgtttc catggacgcg gagggtgacg 120
 aagaccctct tagtaacggt ttatc 145

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<212>	DNA
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<400> 13635

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6253

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 atttgatga ggaagcctga ggagatca 148

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 <213> Glycine max
 <223> Clone ID: 700764614H1

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 ctctgctgag agattccatt gcccgaagag aa 152

<210> 13638
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<210> 13639
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 <212> DNA
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<223> unsure at all n locations
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tgctttgctc agagaacttg agcaaatatg gaacga 156

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<212> DNA
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<223> Clone ID: 700764617H1

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<400> 13641

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tggggcccgt ttctgaaggg a 141

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<223> Clone ID: 700764621H1

<400> 13642

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gatgatctcc cagaaacttt at 142

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<212> DNA
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 tgtaaagaaa aattt 135

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 <223> Clone ID: 700764623H1

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 <223> Clone ID: 700764625H1

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cagcctagga tggtaattgc gag 143

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gatggactac tatgggattt tggaggttga caggaatgcc tcagatgaag agttgaagag 120

agcctacaga aagcttgcaa tgcaatggca ccctgacaag aacccaacca ataagaaaga 180

ggctgagact caattcaaac agatatctga atcctacgag gttcttagtg atcc 234

<210> 13648

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<223> Clone ID: 700764626H1

<400> 13648

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ctatgtcggg gggctcgctt gggccactga cgaccatgcc ctcgagagag gttctctca 120

gtacggcgaa atcgttgaaa cga 143

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<212> DNA

<213> Glycine max

<223> Clone ID: 700764627H1

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gtacctaagc ccagtcgta tcagctcaat ctgctctgcg acgccattca ctgatctgc 120

agt 123

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<223> Clone ID: 700764630H1

<400> 13650

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 ccattacaaa ttattatgct cacacttggg gaag 154

<210> 13651
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<223> Clone ID: 700764633H1

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 agcttagagg ttgtgcaaag ttttttgcaa gct 153

<210> 13652
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<223> Clone ID: 700764635H1

<400> 13652

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<223> Clone ID: 700764637H1

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<210> 13654

<211> 137

<212> DNA

<213> Glycine max

<223> Clone ID: 700764638H1

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gtgggtgaag tgctaccgtc cgatcccttc cagcagctcg atgtggctcg caagatcact 120
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<212> DNA

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<223> Clone ID: 700764640H1

<400> 13655

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ggtcgtctaa tctgttgggg 140

<210> 13656

<211> 143

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<223> Clone ID: 700764641H1

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tccatggctc tctcatccgc agccttggct ggcaaggccg tgaagctggg cccatcagcc 120
ccagaagtgg gaagggtgag cat 143

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<223> Clone ID: 700764643H1

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ctacaacgga gacggaatta ctat 144

<210> 13658
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<223> Clone ID: 700764644H1

<400> 13658

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ttggtttatc atgacctcct tacaggcgat gagcttctct cggactcctt ccgttacaat 120
gaaattgagc atggaatgct gtgg 144

<210> 13659
<211> 142
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<223> Clone ID: 700764645H1

<400> 13659

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tgtcttagaa gagattttga acacgggttc ccaggagaaa acgtgttcaa aatttctttg 120
aagacatttc tgtattacta aa 142

<210> 13660
 <211> 148
 <212> DNA
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 <223> Clone ID: 700764647H1

 <400> 13660

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 caattctctt ctctgctcgt ctcttctg 148

<210> 13661
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 <223> Clone ID: 700764543H1

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 cgaggttcgt gctgtgacag ccacaatttc tccagtggga caatcgggag cacctatgtc 180
 atctaataaa gtcaagtact atgaactttt ggcacggtat tatgttttga cacgc 235

<210> 13662
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 <223> Clone ID: 700764544H1

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 acattacgta aaaaatggga tatgtagcgc caaatgtaag acaaaaatgg atgtaggatt 180
 atgtctttgt aggtgttata ttcattctatg agaggctcgca aacatacaat agtt 234

<210> 13663
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<212> DNA
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<223> Clone ID: 700764546H1

<400> 13663

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 ttatggatga agatgaagac ccccttgcta cttgtcctcc tgactctctt cagacttttt 180
 ctggatcaat ctatcatcct ccacaatctg cgttcctcta tgagcaggct ttgat 235

<210> 13664
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 <213> Glycine max

<223> Clone ID: 700764549H1

<400> 13664

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 cccttcagac aaagggacaa aaaatcagtg tgtgagagag agagagagca attccaaaac 120
 catgtccac agtcatctaa gtttcgcctt gcggattcta ggtaacattg ccgccttcgt 180
 gtgctttctg gcaccactac caacatttta tagaatttgt aagaaga 227

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<223> Clone ID: 700764550H1

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 ctgactcaga agcttcacga agccttcaaa ggcaccgtcg agaggattac tggcccccca 180
 accgtgtccg ccttcaaaga aaaaggaggt ctcagtgtct ctgacttcgt caccg 235

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<212> DNA
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 gcttccttga tcattctaag aaattcaacc cagaggacat ggaattacga ataccaggga 180
 agaattgcat tgttactgga gctaactctg gaattggcta tgcaacggct gagg 234

<210> 13667
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 <213> Glycine max
 <223> Clone ID: 700764558H1
 <400> 13667
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 acgagcgaag acgtgtgcaa gtgaaagccc ctgggattat tgaacgtaaa tctgtgcacg 120
 agcctatgca aacaggctta agagcagtag atagcctggt tcctataggc cgtgggtccac 180
 gcgaacttat aatcggggac cgacacactg gctaaacagc tattgctatc gata 234

<210> 13668
 <211> 231
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 <213> Glycine max
 <223> Clone ID: 700764559H1
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 acggaagttt cttccgattc gaagaaagta ggatacaacc ctgacaagat gccttttgat 180
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<210> 13669
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<212> DNA
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 <223> Clone ID: 700764561H1

 <400> 13669

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 <223> Clone ID: 700764562H1

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 attggccctt gaagcagcta ggcggtgtat agtcttacta catgacatag gtaactccct 180
 accattcatc ccctgtcaag acttcgtact atacgtgtcg gtggacccaa tactgat 237

 <210> 13671
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 agtatccggc gtcaagaaga acaaggatcc accccttcc attcaggatg cttccgaaag 120
 gattacaaaa cgagggtgaca cgggtggatga caagattaag aagcttgatg ccgagccccg 180
 tagatataaa gagcagatta agaaaactag acctggctct gcccaggaag ctgttaaa 238

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 <223> Clone ID: 700764565H1

<400> 13672

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a 61

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<400> 13673

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tcggatagaa gtgttgggat gagaaaccgc aagtacgtaa acaccatcaa agcagcgggt 120

gagaaagaat gccccttgac ggtttcatgc gctgacattc atgctctttc tgctaaagat 180

ggcattgcct tcttcggagg accaagcatt gacatgaaga cagggcgaa 229

<210> 13674

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<212> DNA

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ttcaacagtg gctctctctt catcatcagt ggctgggtcaa gctatcaagc ttactcccct 120

ccaaccctga gctgtgtgtt ggacgggtta gcatgcggaa aacagcctcc aaaactgttt 180

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<210> 13675

<211> 223

<212> DNA

<213> Glycine max

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tgctggatca gaggcctagc atgctagacg tgggtgcgtat gattgaggac attatccgtg 120
 gcgaggctta tgatggcttg ggataagcgg cggatgagcc ttcctaagga tccgagggtc 180
 aggcaccagc cccagagtca aggactccaa ctagggcact cag 223

<210> 13676
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<223> Clone ID: 700764570H1

<400> 13676

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 acaagctcag aggtattgac aagcgtgtca tcgcgagatt cgagaaggca gctgctgaga 180
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<210> 13677
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<223> Clone ID: 700764571H1

<400> 13677

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 tcaatattgc tgagaaaggc tttcccattt ctgtttataa ccgaaccact tccaaggttg 180
 atgagactgt agaacgagca aaacctgaag gcaatcttcc agtttatggc 230

<210> 13678
 <211> 235
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700764572H1

<400> 13678

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 cgctcccggc ggcgctgagt cgtgatcaag gaaatggggc agacgctgag ttgcgtgcaa 120
 cagcacgagg accatggtgt gctcttcct gcacttgcaa atggagaatt ggagcttggt 180
 gaggccatgg tggagggaga cccactgtg ttggaacaca ccattggctg tgaca 235

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<223> Clone ID: 700764576H1

<400> 13679

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 ctgctttgac tggagaatct cttcccgtaa caaagagccc ctcggatgaa gtgttttcgg 180
 gatcaacagt taagtagggg gagatagaag cagttgtgat tgctactggg ggg 233

<210> 13680
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 <212> DNA
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<223> Clone ID: 700764577H1

<400> 13680

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 ttactgcaag cccacttct ctcagttggt caaggagaag ggtagctaca gttatctgtc 180
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<210> 13681
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<223> Clone ID: 700764578H1

<400> 13681

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 tctggaattt ggttccaatg aaacaatctt cttctccggg gcacttggcc ttagccttag 180
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<210> 13682
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 <213> Glycine max
 <223> Clone ID: 700764579H1
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 tgaagatggt ggagagcggt gaagaattta acacggagag gatgatggag gaatttgaga 180
 gggtgacaaa ggatgctgag aggattcaaa gggaaaccct gaagaggatt ttggaa 236

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 <211> 70
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 <213> Glycine max
 <223> Clone ID: 700764580H1
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<210> 13684
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 <223> Clone ID: 700764581H1
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 tttatcagaa tgtggcttaa ggctcttcc accagtgttt ccacgtcaa caagacctct 120

ttcgtgccaa aaaccttcaa agtctagatt tttaagcaca aacaaggggtg tgccagatct 180
 gaatctccaa gcaagaggggt taacatgctg tagttttaag gatagatagt gg 232

<210> 13685
 <211> 238
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700764542H1

<400> 13685

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 ggccttctac cagttaccgc aagaagaagg tcgagaagga agatgatgtt gttgacacag 180
 acctctatcg tgatcccacc acctccctct actacacaaa ccagcaggggt atattaga 238

<210> 13686
 <211> 230
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700764582H1

<400> 13686

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 tattaagcca gagaacttat tacttacagc tgccggacat attacaatag ccgattgtgg 180
 gagtgtgaag cctatgcagg atagccctat aactgtcctt ccaaattgcag 230

<210> 13687
 <211> 202
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700764584H1

<400> 13687

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 aattaccagc acgtctcaag taagaccgcc ggtgcactga ctcgagatgt tacggtctca 120

aaggaggcca tgtggaatcg gtacacatca acagaggtct atgcaagcgt cacttagagc 180
tgtaacctct gcggcgaata at 202

<210> 13688
<211> 232
<212> DNA
<213> Glycine max

<223> Clone ID: 700764585H1

<400> 13688

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agaaagaggg caactgtgcc ctctgcgctc accaatgtgg ttctggacat taccgatgta 180
cacaggataa ttttattatt tgtgcaaatt gtgtcaaaag tgggaattat gg 232

<210> 13689
<211> 217
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<213> Glycine max

<223> Clone ID: 700764586H1

<400> 13689

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acctgcgaat tcaatatgcc ccacaaattc atggcggttct tgtatatctc ctgtgaatcc 120
atttcagata atttgcggtg ctctgggtgc ttctgggact taggaggtgg agacatattt 180
tgtgataagc cgatacccaa tttggatcag tggtttg 217

<210> 13690
<211> 241
<212> DNA
<213> Glycine max

<223> Clone ID: 700764511H1

<400> 13690

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atthtcaaca ctcatcagat ccagtcac aattgcgtta acaactcgta aggcaaccat 120

gaggggcatt ctttctgtaa ggacagcctt ggttcaacat cgtagtgaga aattgggcct 180
 tggtttcagg ctatttagca ctcagggtgc ttccactgct agtaccacac agccgccgcc 240
 a 241

<210> 13691
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700764513H1

<400> 13691

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 cattcactgg cctcaaggca agcgcaggca aagtgagtgc cgcagttaaa gtctcagctc 180
 cccaagccac aaggttgggc atcaaggctt cgctgaaaga cgttggagtc gctgttgtgg 240
 c 241

<210> 13692
 <211> 239
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700764514H1

<400> 13692

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 tttagctat aagccccctc cggatgattt acaatgcttc ttggagtttc aaattccaag 180
 gcaatgggca cccatgtttt atgaccttcc tctgaggcat caaaggaaaa agtgttctt 239

<210> 13693
 <211> 244
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700764515H1

<400> 13693

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 ttgggttgctt cctacgtcac cccttccgat ttcttctata agaggaacca cggccaatc 180
 cccatcggtg agaacatcaa cagatatcc gtgaacgtgt ccggttggt ggagcgtccc 240
 aaac 244

<210> 13694
 <211> 244
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700764516H1

<400> 13694

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 gatcacaact ccaccgtcac cgatttccaa gggttcttggt tgctgctggt gtattataca 120
 tgcttaacatc tgcattgtgt ggtgagatgt gcttgctgtg gaaattctcc ttcattctct 180
 ctattcccca cttttctgta gcactttacc cttcacggat cttttcaagc attttttggt 240
 tatg 244

<210> 13695
 <211> 236
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700764518H1

<400> 13695

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 tcgccgcaa cccaagagca ccaattgatg tgtcatttgg cagaaactat gtgcctacct 120
 gggcctttga tcacatcaaa tacctcaatg gtgggttctga gattcagctt catcttgata 180
 aatacacagg tactggcttc caatcaaaag ggtcctactt gtttggtcac ttcagc 236

<210> 13696
 <211> 152
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700764519H1

<400> 13696

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ggtaggttga caagtttagga agcagaatga ggatttttta ttttatcatt cttgaagtgt 120
cattgcaact cccccctttc tcacaaattc ac 152

<210> 13697

<211> 237

<212> DNA

<213> Glycine max

<223> Clone ID: 700764520H1

<400> 13697

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gccggaagac tcccacgtct cccaacaatc ccgcgcgggtg cctctctccg ccgccgatct 120
ggctctccgac gacgaccgct ccgtcgccgc tgactcctgg tccatcaaga gcgagtatgg 180
cagcactctc gacgacgacc agcgccacgc cgacgccgcc gaagctctct ccaacgc 237

<210> 13698

<211> 237

<212> DNA

<213> Glycine max

<223> Clone ID: 700764521H1

<400> 13698

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aggagaaaat cacataattt cgaatttgag ttttcgtgta gaaaaaggaa gagaagaaaa 120
tggaatcgga ggatttggtc aaacaggaat tggaggaatt gcagaaacaa ttggggaaga 180
agcaaaagtg tgaagcttct gtttcgtctc ttaaaacccg tctccaacgc acttacc 237

<210> 13699

<211> 87

<212> DNA

<213> Glycine max

<223> Clone ID: 700764522H1

<400> 13699

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tcacgagacg tggtgtaaaa tggtgtt 87

<210> 13700

<211> 240

<212> DNA

<213> Glycine max

<223> Clone ID: 700764523H1

<400> 13700

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ttcatcatca caccatgccc gtgccccagc accagcaccg tcagtggagt gttcaaacct 120
ggtattgacc ttatcggatt gcctcacctt cgttagcaac ggcagcaccg tcaccaaacac 180
acagggaaca tgctgctctt ccttgaaaac tgtgctcaac acagccccta agtgcctttg 240

<210> 13701

<211> 240

<212> DNA

<213> Glycine max

<223> Clone ID: 700764524H1

<400> 13701

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actgtagat accgagtatt cttgggacac aaacaatact ttgtatcttc agatgttggt 120
gcgggaaaga tgcaatggta tgcatttcac aaagaacctc ctggtggtgt tgatgagccc 180
aacggaaaaa aggtcagggt gcttaggata tttgagggt ggtgtgataa tgctgtagat 240

<210> 13702

<211> 240

<212> DNA

<213> Glycine max

<223> Clone ID: 700764525H1

<400> 13702

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ccaaacctca gaatcagaat atgcaaagct tccaccaggg cctcg

225

<210> 13706
<211> 236
<212> DNA
<213> Glycine max

<223> Clone ID: 700764530H1

<400> 13706

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tctctgcttc ttctcttctt aagttctctc gctcgtcttc tccgctggtt tcttctcctt 120
gtggactgta agagctgaac taagagatgg gggtgtcttt caccaagctt tttagccggc 180
tctttgctaa gaaagagatg cgtattctca tggtaggtct tgatgctgct ggtaag 236

<210> 13707
<211> 241
<212> DNA
<213> Glycine max

<223> Clone ID: 700764531H1

<400> 13707

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ataagatgct tcgcacgtgc tcacagtgcg gcaacaacgg ccacaactcg cggacatgca 180
ccgacggtgg cgccgcccgt tctgcccggg ggtctcccag ggcgaacggc atcatgctgt 240
t 241

<210> 13708
<211> 161
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: 700764532H1

<400> 13708

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161

<400> 13709

<400>	13710
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<400>	13711
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6277

aacagaatat gtatgctcag ttgttgctc ttgctttgcc tgcaccgcca atg 233

<210> 13712
<211> 235
<212> DNA
<213> Glycine max

<223> Clone ID: 700764536H1

<400> 13712

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cacaaaaata ttttaagaaaa ttttagagaa gaatgatgct ggagatcatt tcccattatt 120
tgccacctgc ttaggctttg aactcataac gatgatcata agccaggaca ataatatctt 180
tgaagagttt agtgcacaa atcaggcaag tactcttcaa tttgtggaga atgca 235

<210> 13713
<211> 234
<212> DNA
<213> Glycine max

<223> Clone ID: 700764537H1

<400> 13713

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cagatctgca tcttccattt tttaggatta agcggtgaga ttcgtgaatc tgagaaatgt 120
cggattcttc tcgggaggag aatgtttaca tggcgaaatt ggcggacagg ccgagcgtta 180
cgaggagata gttgagttca tggagaaggt agcacagact gtggagggtg agga 234

<210> 13714
<211> 238
<212> DNA
<213> Glycine max

<223> Clone ID: 700764538H1

<400> 13714

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tgattctact cagcaatcag caatcagcaa tcagcaatca gcaatcagca tcattacttt 120
tcctttgatt tataatcaaa aagcaaggga cagacacaca gaagttgtta tcttgaatca 180

gaaaacatga tgctaagaag ctcttcaaca ccagttcttg gatccctcct ctcttcct 238

<210> 13715
<211> 240
<212> DNA
<213> Glycine max

<223> Clone ID: 700764539H1

<400> 13715

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gctcagcctc atgacaaaga gcatggagac ccggaagaa agggcccttt ttcttcaatt 120
ttgagggcctt tttactgaat aagtttgtag tactaaaatg tatgctgtaa tagctcatat 180
tgagcgatgg aaagtatcgg gctatttaac tatgacttga gctccatgct agtataaata 240

<210> 13716
<211> 229
<212> DNA
<213> Glycine max

<223> Clone ID: 700764541H1

<400> 13716

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aaagacaaca cgcataccgt tggaaagaag gatgctgctg gccatgttgc tgaatttagt 120
tcttgcttcc tttgtcttct tgagttttat cagagacggg agtgcaggga tcactagctc 180
tttcattcgg tcagagtggc cggcaggtga catccccctt gatcatgaa 229

<210> 13717
<211> 237
<212> DNA
<213> Glycine max

<223> Clone ID: 700764510H1

<400> 13717

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gtgatatctt ggaacataat accttcaatg caaaagacca aacatcttgg ccctgtaaca 120
aatgggaatg gaggctccta aaatgaccct cagaaccttg gcagctctgg ttgtaactcc 180

aaaatatcac tactctatta ctatctgtcg ttgcagcagg tattatgttc gaagaca 237

<210> 13718
 <211> 246
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700764501H1

<400> 13718

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 gtgttctaca ctctgagcg ttctctgagg gacgagtaca acatcccga gtacgcgttg 180
 ctttgtggcg tagtgaaggg tctgccaaag ccagagccat atcactgatg ttgggccact 240
 atgaag 246

<210> 13719
 <211> 239
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700764502H1

<400> 13719

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 gagaatgatg atgatgaagg aaaactatgt gatacgtctc tctcttcaag aatcaaagga 120
 aaattagatt aattgtgacg atgatgatca gagaggaaaa ggggtgtgaag cctgttctac 180
 taaaatttgg tttggctttg gctctttcat ttgctggatt tatctactca cgcctcaga 239

<210> 13720
 <211> 89
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700764503H1

<400> 13720

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[illegible]

<400> 13721

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<212>	DNA
<213>	Glycine max

<400>	13722
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<210>	13723
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<212>	DNA
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<400> 13723

6281

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<210> 13724
<211> 240
<212> DNA
<213> Glycine max

<223> Clone ID: 700764509H1

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catttcttcc cgtgcacgag ccaatggaag gaacacgcac cagcgtctcc ttcagcatca 180
aaacaattct aacactggaa aacttgtagt ggattctagg acctatgctg tctcttttca 240

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<211> 247
<212> DNA
<213> Glycine max

<223> Clone ID: 700965264H1

<400> 13725

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tatacgtgat acacaatcaa aatgtttact tctattgatc cgggggtactc atagcataaa 120
acgacaactg acagctgcaa ctgggtgctgt tgtcccttc cagcattcag tgttaaata 180
tgggtgggata agcaacttgg ttttaggata tgcacactgc ggtatggttg ctgcagctcg 240
ttggatt 247

<210> 13726
<211> 256
<212> DNA
<213> Glycine max

<223> Clone ID: 700965265H1

<400> 13726

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tcctgttcca cgctgcatca gcctcagagc acccgctagg gtttcttctg cacaccaaac 120

caaatggcgg atcctgagtt ggaagcaatc agacagagaa ggttgcagga gcttatggct 180
agccatgggtg gcgtgggaaa tcaacagaac cctgaacagg agaaagctca ggatgatgca 240
aagagggagg ctgagg 256

<210> 13727
<211> 242
<212> DNA
<213> Glycine max

<223> Clone ID: 700965267H1

<400> 13727

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acaagtgagc caagagaact ttgataaggg actcatatac ccaccattca ccaacatcag 120
aagatttcag cacacatagc tgccaatgtt gctgctaagg cttatgaact tggcttggcc 180
actcgccttc ctcaacctaa agatttagtg aagtttgcag agagctgtat gtatacccca 240
gc 242

<210> 13728
<211> 241
<212> DNA
<213> Glycine max

<223> Clone ID: 700965268H1

<400> 13728

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aggtgaatgg caagaaaggg tgggtggatc atttgttcca cattgtgtgg cctccttctt 120
catcaactac agtttctggc cccaaaaccc cccttcttac agggaagtta atgaggaata 180
ttgcaagcac ctaagaggag tggtagacaa attgttcaaa agtatgtcgg taggggtggg 240
g 241

<210> 13729
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<212> DNA
<213> Glycine max

<223> Clone ID: 700965269H1

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 gtccaggctc tctccattt tctcctcctc ccccttttgc cctccacct ccaatttctg 180
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<210> 13730
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 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700965270H1

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 agacgcctca tcaggtaacc agcctgatgc tattttgatt ggaactgggt ctgcagctgg 180
 aacttgctgc tgctgctgct gaagatctaa cgtatgaacg aacagctgtt agcgttgtat 240
 ctc 243

<210> 13731
 <211> 242
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700965271H1

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 caacctgatg tggactggat tgtgcagtat gatcctcctg atgaacaaa ggaatatatc 180
 cacagggttg gtagaacagc tcgtggggaa ggtggaaaag gaaatgcttt acttttcctg 240
 at 242

<210> 13732
 <211> 244

<212> DNA
 <213> Glycine max

 <223> Clone ID: 700965272H1

 <400> 13732

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 ttcggaagct gtttgccaa acactcccat tccactgca ctgcgagagc ttctaaagcc 180
 tctccctgca ggtgttgaaa tcgaacgaat ccctaagcaa attgatgata cacagtaccc 240
 aaaa 244

<210> 13733
 <211> 240
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700965274H1

 <400> 13733

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 gctagttgta tgtggttatt catttctttt gtgatgttta actagtccaa gtatcttttc 180
 aacgatgtgg tagcacacta gctggaaaca gtttttttaa ggtcttggtg cgtaatatct 240

<210> 13734
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 <223> Clone ID: 700965276H1

 <400> 13734

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 tgtatttgat ggtgatttcc acaatcctac attttctgct ggaacaagag ttcctagaca 180
 aacatggcat gatttgact gcagagtaga tggagctgct gcatatgatg atcttatta 239

<210> 13735
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700965278H1

<400> 13735

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 attcggttgc gcaaatagtg agaatttgct gtctttgggc agagttgctc cgagtgatcg 180
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 tgg 243

<210> 13736
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700965280H1

<400> 13736

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 ctgggttcag ggtataaagc ttgtctttca tgtaaataga ggattacca ataggggtcaa 180
 ttcgcgcttg agagcttcaa ctggggctca gatgagcttt agactaggga aagttcagaa 240
 atggtg 246

<210> 13737
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 <213> Glycine max

<223> Clone ID: 700965281H1

<400> 13737

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 gctccgtcgg agctggggat cctgatgagg tctctgggag gtaacccgac gcaggcccaa 180

ctcaaagcca tcgtggctga agagaacctc acggccccct tcgacttccc ccgattcctc 240
gatctaattgg ccaaacacat taa 263

<210> 13738
<211> 240
<212> DNA
<213> Glycine max

<223> Clone ID: 700965283H1

<400> 13738

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aaaatggggc tgtctttcac caagttgttc agccgactgt ttgccaagaa agagatgcga 120
tactgatggg ggggtctgat gctgcgggta agaccaccat tctgtacaag ctcaagcttg 180
gagagattgt caccaccatt ccaccattg ggtttaatgt ggaaactgtg gaatataaga 240

<210> 13739
<211> 240
<212> DNA
<213> Glycine max

<223> Clone ID: 700965284H1

<400> 13739

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atatatccat ggcatacct caaacagacc tcagaaagat tgctctagaa ggcttcgatt 120
aatagacaag ctctacggtc gaaggggccc tgccaacaat gatgcgttcc ccggccgacg 180
agaaggcttt tgggtgggtc atcaagtccc taatggcgac atggatcaaa agcctcgga 240

<210> 13740
<211> 238
<212> DNA
<213> Glycine max

<223> Clone ID: 700965285H1

<400> 13740

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ctctgtttct gtgtttattt acttcgattc tacgcatcga attcaattct ctgtgatcta 120

accctgaaa tcaatgtgcc tctttcggaa tcgcagagcg agcaacgggtg accgccatca 180

tcacgatga agcgatcggg tcggtggcag aggactctga tcctcgtct tctctttc 238

<210> 13741

<211> 239

<212> DNA

<213> Glycine max

<223> Clone ID: 700965286H1

<400> 13741

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tcactttctt tatcagtcag tttttggctt ctaggttttc agtgatttgt tctaaagttt 120

agattgtgtt attatccac tacagttcac actctgtaac aatacgtggg gaaagcctag 180

tgcttgtgga aattcaacaa ctgttgaggt tttcttcatt gattgaactt tgtgtcgtc 239

<210> 13742

<211> 233

<212> DNA

<213> Glycine max

<223> Clone ID: 700965287H1

<400> 13742

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ttgcgcgctt tgcaatcgac cccgattatg gccaacagta acctccctcg aagaatcatc 120

aggagacgca gcgttcgctc agtgagccag cacctggagt tagtgcgctc ccttcggaag 180

acagtatgcy gtatttcaat gtgatgatcc ttggcccaac tcagtcgcct tat 233

<210> 13743

<211> 238

<212> DNA

<213> Glycine max

<223> Clone ID: 700965289H1

<400> 13743

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ggtagactga acaagtgtgg gggtattagt ccccggtttg atgtgggcgt caaagagatg 120

aaggttggac tgctaggctt ctccctcaa gacagtttgg gtatattgta ttgactacct 180

ctgctggcat catggatcat gaagaggcta ggaggaaaaa tggtggtggt aaggtatt 238

<210> 13744
<211> 239
<212> DNA
<213> Glycine max

<223> Clone ID: 700965290H1

<400> 13744

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accccgccgc agcaacaaca accaggcaag aaggcggcgg cgaagatagt gaggggaagg 120

gtggagtgtt acagcaatgg ggatttctac gaaggggagt ttcacaaggg aagaagcaac 180

gggagtgggg tctaccatta cttcgtgaat gggaggtagc aaagggattg ggtggatgg 239

<210> 13745
<211> 237
<212> DNA
<213> Glycine max

<223> Clone ID: 700965291H1

<400> 13745

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caaccgcgat tccagttcca acggcaatca caccgatccg gattttcaca aatcaaggag 180

gatgtttccc actactgcct ataatccacc tgaagattct ttgagccaag atgtgat 237

<210> 13746
<211> 237
<212> DNA
<213> Glycine max

<223> Clone ID: 700965292H1

<400> 13746

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caattctcat cttttttggg cttgattttg gagggatcag cctctcgtga tcaacatggc 120

ttgatctcca caagattatc cctttgacac ttcaagtact accaacattg attaaatcag 180
actagtgaaa tgtcaaaaga aaaggactca gctgacaatc aagtggatac attttct 237

<210> 13747
<211> 238
<212> DNA
<213> Glycine max

<223> Clone ID: 700965293H1

<400> 13747

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tcgatcagct acagactttt acccaaattg aaggacaaat aagtgattca ttaagtaaca 120
acaatgtttg aagacaaaat taaccaacga gtttcaaaat gtccaacctc cagaaatgta 180
tgcattcgat atgcaatgca tttatagagt accaccagtc attcgtgaaa ctaatccc 238

<210> 13748
<211> 241
<212> DNA
<213> Glycine max

<223> Clone ID: 700965294H1

<400> 13748

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tcattctttg gcagagtctc aaaaggctgt tactgctgcc acaaattata ataatagggt 120
gtcgaatgcc gtttggtctc tattgtgctc gctataaagc tagggatgga tccaaaagag 180
gcaatttcaa aagtgaacac actgtctgat gttgaagggt tatgtgtatc atttgctggt 240
a 241

<210> 13749
<211> 247
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: 700965263H1

<400> 13749

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 ccgtcgtttt gtcgtcgagg tcgtcgcttt gtctgacaag gtggagggggg ttcgcgtccg 120
 gatctgacga aaacgacgtc gtggtcacgc gcggcggtcc cggcggtac gtggcgcca 180
 ttaaagcggc gcagtnggt ctgaaaacca cttgcatcga aaaacgtggc agtctcggcg 240
 gtacctg 247

<210> 13750
 <211> 244
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700965295H1

<400> 13750

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 tgaagcccaa gagcattcgc atccgtaact taccaacgca cctgctgcta atcgctgttt 120
 gctgttcacc tcttcgtccg cttccaagat cggagaaaat tgtgggtcag acaacaaatg 180
 cgacgctgga ctcagctgcc aaacatgtcc tgccaatgga gataccgcac caagatgttc 240
 gcgg 244

<210> 13751
 <211> 240
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700965228H1

<400> 13751

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 gtattatccc cccacattc tgcattcgtc caatctttca gtcgcaaaat tttcagtgtt 120
 tccactctc ccttaaatca ttcccaccct tctcacactc atggatctgt ctgtccagta 180
 acccacacag aaaaaaccct gaagaaaaac aagaccatat catacatttc atttacagag 240

<210> 13752
 <211> 247
 <212> DNA
 <213> Glycine max

002200"CTFE60

<223> Clone ID: 700965229H1

<400> 13752

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gccgatccac caactgcgac tccatcaagt tctaaaggag cgggtagctt tgccaatttc 120
ttccgcggat aatgaggcaa cgtatgctgt aacacttggt atcgttatca ttaaaatgca 180
agaaagcgag tgtgactcgg gttccactca tgtgagcctg ttattgtatt agtttctggt 240
tcagata 247

<210> 13753
<211> 248
<212> DNA
<213> Glycine max

<223> Clone ID: 700965230H1

<400> 13753

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tgtagcactt cttcttctgg cggaggtggg gcccatggct gaggtctgtga catgcacccc 120
aacagagtga gtccgtgtct tccagcaatc acttccggtg ctaaaccctc caatgcttgt 180
tgcacgaagc tgaagcagca aaaaccatgc ttatgtggct acctcaaaaa cgctagcttg 240
aagcagta 248

<210> 13754
<211> 251
<212> DNA
<213> Glycine max

<223> Clone ID: 700965231H1

<400> 13754

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aggattgatg aaattaatat gggtgagtta ctacctcatc tatgtgggtg ggccaggtgg 120
cttggggggt gctgtcctag gcaacctgag tcagagcgag gaggatacat catgcaattt 180
tggcaagatt acctctgcta cattggtaga gtttgctaag aaaggttgga tctgactgga 240
aaagactgaa t 251

<210> 13755
 <211> 250
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700965234H1

<400> 13755

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 cagatattcg taaaaacttt gaccggcaag accatcaccc ttgaggtgga atcctccgac 120
 accattgaca acgtaaaagc taagattcaa gacaaggaag ggatcccacc tgaccagcag 180
 agacttatct ttgcgggtaa acaacttgag gatggtcgca cccttgccga ttacaacatc 240
 caaaaggaat 250

<210> 13756
 <211> 247
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700965235H1

<400> 13756

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 tttggtgatg ctgtgcctca cagaccagtg gaagatcttg catttgctgt ggcacgcttt 120
 taccagcgag gtggaacttt tcaaaattac tatatgtacc atggagggac taattttggc 180
 cgggcttctg ggggaccttt tgttgctagt agttatgatt atgatgcacc aattgatgag 240
 tatggat 247

<210> 13757
 <211> 242
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700965237H1

<400> 13757

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 tggctgctgt tccctctact ttcgctctaa ccaaactctg attgtccata aacaagctgg 120

accatctctg gtcaagatca aaccatacag cttctctctg aatctaaacc gtctagggag 180
 gatggaaaca tctttaacca gaaggcctct aacaattcaa gccacatata gtgatgggtg 240
 aa 242

<210> 13758
 <211> 246
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700965238H1
 <400> 13758

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 actggattac cttcaatgag cctcataact ttgcactcca tggttatgat ttaggcattc 120
 aagcacagga agatgttccc ttttgggtca tcttctatgt aagaaaggag aatcatccac 180
 tgagccatac attgttgctc ataacattct cttgtcacat gctgctgcct atagaagcta 240
 ccaact 246

<210> 13759
 <211> 246
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700965241H1
 <400> 13759

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 aaccatgagc cgattcaggc gttttgagct catagaacaa ccacctttct tccactcctg 120
 ctacttttcc cttccttcgt cctccaagac tcaactctctc tcgacctcga cctcttgcca 180
 ctccccagcc acttcgacgc tttcgcagat ctggtgcacg cgccgctcgtt cgcttaccgg 240
 cgcgtg 246

<210> 13760
 <211> 245
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700965242H1

<400> 13760
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 ggtgattgaa agagaaggaa gaagaagcag gaaatggaag cagtgagagc tggtcgagaa 120
 ggagcaatag gtctaggtca aggtgatggc gtagcagagg acagcactga gactgaactc 180
 accaaaaatcc gtctcctcag ggcaattggt gaaacccgtg atccctcttc caagatctat 240
 tgtag 245

<210> 13761
 <211> 68
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700965243H1

<400> 13761
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 catttcag 68

<210> 13762
 <211> 244
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700965244H1

<400> 13762
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 tcactatagt gctgatgata tattaataca agcaactgaa tcaactcttc gatatcagag 120
 agggaaaccta tctccctgct agacggagtt cctgttgcta tcaaggatga gatagattgt 180
 ttgccatatt ccacaacagg aggtacgaca tggctgcaca aagaaaggcc ttgtagcgat 240
 gatg 244

<210> 13763
 <211> 241
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700965245H1

<400> 13763

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 aagatgctga tcttcgttaa gacactcact ggtaaggcaa tcacccttga ggtggagagt 120
 tcagtaccat agataatgta aagtccaaga ttcacgacaa ggaagggatc ccaccagacc 180
 agcaacgtct gatttttctt ggcaagcagc ttgatgatgg acgtacactt gctgattaca 240
 a 241

<210> 13764

<211> 246

<212> DNA

<213> Glycine max

<223> Clone ID: 700965246H1

<400> 13764

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 caaaaataaa aaataaaaaa taaaacgtgt ttttgttcac taaacatcaa agaaaaaaaa 120
 aatgcttctt aaccacattg gcgcgggatt ctactggatc gacccgccac gacccgatcc 180
 gaaacgtcaa acccgaatag tctcctctag tttaaaccgc cggcggggcgt cgccgccgtt 240
 tccggc 246

<210> 13765

<211> 248

<212> DNA

<213> Glycine max

<223> Clone ID: 700965247H1

<400> 13765

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 ataaggtttg cttgtgggat gtgcctgctg ctgcctctca agataaggat cttgatgcat 120
 ttcatgttta tgagggtcat gagaatgtgg ttgaagatgt gtcctggaat ttgaaggatg 180
 agaatatgtt tgggtccggt ggagatgact gcaaattgat catttgggac ttgcggacga 240
 acaaacc 248

<210> 13766

<211> 244
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700965250H1

<400> 13766

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 aatgacacc cacaagagg gagagaaaga gagacgctac tactactact actactacta 120
 cttccctct ctcgcacagc cctgaagctc cagaaccccg ttttgggaatt aattcgcttc 180
 tctttaatct aaattcggtg attctttccg ttgacatggt ggaggggtcca acctttcttg 240
 tttc 244

<210> 13767
 <211> 244
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700965252H1

<400> 13767

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 cgccctcaaa gagttcaagg atttatacaa ttaatagttt tttaatttgg aatggctgga 120
 atttgcgtg gagttgttg agaatccgga gagacttctt cctcttcaat cgaacccacc 180
 tcgcgcccct ccgctcgccg gagtttggac cttttgcctt tgagatacat agctgctgac 240
 gtgt 244

<210> 13768
 <211> 244
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700965254H1

<400> 13768

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 gtaagctttt gagtcgtgga tggagatcac gtgtcaagcc caatgttgtg gttgcccagg 120
 atgcactggt cagttcaaaa ccgttgccga tgctattgct tcctaccaa aggataacaa 180

aggtagatac attatctacg ttaaggctgg tgtctatgac gagtacatca ccgttcccaa 240
gagt 244

<210> 13769
<211> 243
<212> DNA
<213> Glycine max

<223> Clone ID: 700965255H1

<400> 13769

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gaagttgaag ccggcgccgc aaccctctac gaagaagcgt tcctcttccc gccgagagag 120
gaggtcgacg acgacgccgc cattcgtgag caggccatcg ccgccgcgat tctctttaag 180
cagcaccagc aacaacagca acagcagcag cagcaattcg atcgctctgc atcgcttcgg 240
tat 243

<210> 13770
<211> 245
<212> DNA
<213> Glycine max

<223> Clone ID: 700965256H1

<400> 13770

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agaggaattg agtgcagaat ggctgccttt tatgcaggtt tcccagagac agtgcctctt 120
cgaactgtca ataggcaatg ttcattctgga cttcaggcgg tttctgacgt agctgcttat 180
ataaaagctg gggtctatga aattgggatt ggggctggat tggagtctat gacagtagat 240
cgtgt 245

<210> 13771
<211> 245
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: 700965257H1

<400> 13771

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 ctcggaccac tacaccaggg tcaagtctca gatgaacca acccaccgcg caccgcacaa 120
 caacaacaac gccaacggtc ncgacggcgt cgtttcgccg ctctccccgc ggggtctatgg 180
 ctgcgtcata ggggtccaga agggccgcac cgtggagatc ttcaacagct tcgaactcct 240
 ctacg 245

<210> 13772
 <211> 242
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700965258H1
 <400> 13772

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 atgtttcacc actctcaccg aggctgtatg gttaaccatc ccagcaagg gaaccaagtg 120
 cagtccgagg aaatccagac acacgttgtc gttttagcag attactatgt tgtagccgat 180
 gatgtccagg gtcaccaact tcaaactatt tccgccaagg tgacatcccc ttatggaaat 240
 aa 242

<210> 13773
 <211> 242
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700965259H1
 <400> 13773

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 ttacaatggt ttagtgatgg atctgcttgg accgagtctt gaagatcttt ttaacttctg 120
 cagtagaaag ctatcactaa agacagttct catgcttgct gatcaaatga tcaaccgtgt 180
 tgagttcatt cattcaaaat cgtttctgca tcgggatatc aaaccggata attttctaata 240
 gg 242

<210> 13774
 <211> 240

<212> DNA
 <213> Glycine max

<223> Clone ID: 700965260H1

<400> 13774

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 acctgcaagg aaaagtgaga tgcctcctgt aaagaatgag gatttgatac ctggggcaac 120
 tttactggga aagtgagatc tgtccagcca tttgggtgcct tcgttgatat tggtgctttc 180
 acagatgggc ttgttcatat ttcgatgttg agtgatagct atgttaagga tgttacaagt 240

<210> 13775
 <211> 244
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700965227H1

<400> 13775

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 ttgcagccat gactagtgtt ttgggtgttg gctattgttt agtaataagc ttgggtgtag 120
 cactagtctt gtttctgctc aaccaacaag ggctttcttc gtatttggtg attcactcgt 180
 ggacagtggg aacaatgatt tcttggtaac cacagccaga gcagacgctc caccctatgg 240
 catt 244

<210> 13776
 <211> 245
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700965261H1

<400> 13776

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 tggcaaggaa atcaggcaag ttcgacgaag caagtctaga gttccagaag aggatgctaa 120
 tgtcctccgg aatcggcgat gaaacctata taccgaaggc cgtcatcgcc tccaccgaga 180
 acaccgcaac gatgaaagag ggtcggggccg aggcctccat ggtaatgttc ggagccctcg 240
 acgag 245

<210> 13777
 <211> 246
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700965262H1

<400> 13777

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 tctccgtaat gtggctcatg aggggtgaatg ccattgaccc ttgtgcctct caaccggata 120
 attcggacct caacgtgatt cccatctaca gcaaagtctc accgttcaaa ccaccaagg 180
 cagacacatg ggacaacaga attataaaca tggcctcaaa agaccagtc cgagtgaat 240
 acttgt 246

<210> 13778
 <211> 246
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700965194H1

<400> 13778

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 ccaccagctc tctctccgc cgcaaccgat ggctcccctc tagcatcaaa ctgaaaacaa 120
 gccttttctc agagctctcc ggcgcggtgt gtgacctagg cacctacatc cccatagtct 180
 tagacttatc cttagtgaac aacttggcac tcaccaccac actggtctac actgctctct 240
 acaaca 246

<210> 13779
 <211> 256
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700965196H1

<400> 13779

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246

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<223> Clone ID: 700965215H1

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 <212> DNA
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<223> Clone ID: 700965221H1

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262

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265

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<223> Clone ID: 700965192H1

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 agacatcttg gatcagatca tggaagagaa gggagataag gttgtctcag aagtgaagta 180
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<210> 13829

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<400> 13829

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<210>	13831
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6320

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 acaaactttc agaaaattct ta 262

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 ccgggaaaaac ccttcagaat gggttccccg gaaaatacca attggctctt cgattacggc 180
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<223> Clone ID: 700965125H1

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 gaaaggggtc gtggaagaga tgaggtttgt ggcgatgagg cttcacacga gggaccaggc 180
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 atccgtcgaa gggtagctga aa 262

<210> 13834
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<223> Clone ID: 700965126H1

<400> 13834

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 agctggaatt cagtgcaccc tctgttggca ttgcacacga tgctttcaac accttcttca 180
 gcgagaccgg attcggcaag catgtgccaa gggctttatt tgttgatttg gaacctagtg 240
 ttattgatga agtaagaact g 261

<210> 13835
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 <213> Glycine max

<223> Clone ID: 700965127H1

<400> 13835

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 aatctcatcc tcttctttta catttgtttt ggataaaaca ttttgctgat attgaatttt 120
 tattttctct tgttttcggt tcttttcgac attttcttct tcttcttctg cttcggtggt 180
 ttcagggaga tagggatagg agtaacaaag ggagagtgc atcagtttgg ttcttcgctt 240
 cgggactcga atcttcgatg 260

<210> 13836
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 <213> Glycine max

<223> Clone ID: 700965128H1

<400> 13836

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 ccattagaag ctttagaaat tttctaattg agttggtgta tagtggtgaa gggggtgaaa 180
 tctggagccc agtttggttag ttgttactca cttcatctgt aagctcatag gttgaaccct 240
 ctttttttgg agacttacct gg 262

<210> 13837
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 <212> DNA

tacccgttga tcgacgacga cgttattccc g

271

<210> 13840
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<212> DNA
<213> Glycine max

<223> Clone ID: 700965133H1

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accccacaag gccaacggtg ccacgtgtca ccctgaggaa gaagcggggc tgttgggctt 180
caaatccggt atccgatccg acccgctccg cctgctcagt aactggatat cgggtacgga 240
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<223> Clone ID: 700965135H1

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tggtggcgaa cgaagaggag gacaacctgc tgaacgccga gcaccacttc gcgagcttca 180
acgccaagtt cgccaagacc tacgccacca aggaggagca cgatcatcgc ttcggcgtct 240
tcaagtccaa cctccgcaga gcc 263

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<400> 13842

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 cagctgcagc tggttcaatg attcaaaatt gttaagttct ttgttttga gcattcatca 180
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 agggagtagt ggacacagtt ta 262

<210> 13844
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 <223> Clone ID: 700965139H1
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 tctctctgct ggacatggct gcattgtcca atatgctctc cttcaccttg ctggctatga 180
 cactgttcag gaacaagacc ttaaggaatt ccgacaatgg ggaagcagaa ctctggaca 240
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 <213> Glycine max
 <223> Clone ID: 700965140H1
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<223> Clone ID: 700965145H1

<400> 13848

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atttctctct ctctcgctct ctctctagaa tgtcttctca acgcgcagat ccagcgtgcc 180
ggatcttccc ggaacccgat gcctccgaga tcgaccactt cgaccgggta cgggactcgc 240
gcctccttct ggttttc 257

<210> 13849

<211> 268

<212> DNA

<213> Glycine max

<223> Clone ID: 700965150H1

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gaagaagaga gggagaaacc gattaccgtg ccaggattcg gttgattaat caggacaaga 180
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<210> 13850

<211> 263

<212> DNA

<213> Glycine max

<223> Clone ID: 700965151H1

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gtgggtggcta cttttgtggg ggcagccaca gctggtagct tttaccaaga ctttgaaata 180
acatgggggtg gtgagcgtgc caaatctat gaaaatggaa atcttctcac cctctcccta 240

gacagagcct ctggctctgg ctt

263

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<212> DNA
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<223> Clone ID: 700965153H1

<400> 13851

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gggtctacga tgcgcttga cctcactttc tctatcgct cctcagaacc gctatggcaa 180
gtggaggagg aggcctcaac gataaccgca acgcctactt aagcttatcc atcacgcttc 240
ttgccgcatt ttgtcgtgt 259

<210> 13852
<211> 261
<212> DNA
<213> Glycine max

<223> Clone ID: 700965154H1

<400> 13852

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accaccaag accggtccaa ccagaccgtg gcctccgacc ttgacggcac cctcctcgtc 180
tcccggagcg ccttccccta ctacctctc gttgccctcg aagccggcag cgtcctccgc 240
gccctcctcc tctaacctc a 261

<210> 13853
<211> 262
<212> DNA
<213> Glycine max

<223> Clone ID: 700965155H1

<400> 13853

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aattacttgc agaggtgata gtagtggttag aacattctta ttgatgggtt gatattgtta 180
gaggtgaggg tttgattcaa gaacaacaca ccaaatggag gtatgttgaa cccttaacac 240
acagaaaaca acccaaacg ag 262

<210> 13854
<211> 267
<212> DNA
<213> Glycine max

<223> Clone ID: 700965118H1

<400> 13854

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tctcgctcg gacgcgtgc acgctgggta tgattccgat gaggaggtt atgctgccgc 180
gaaagctgta gacgctggta tgattgagta tgattccgat gataacccta ttgttattga 240
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<211> 246
<212> DNA
<213> Glycine max

<223> Clone ID: 700965079H1

<400> 13855

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aacatagcac cgctcttttc tctccgaaat ccccatctcc cttcacttct gagctctgga 180
cgagatccca gatctcacca tctttcacgc actcttccat cagattcatc ctttcgttta 240
acgcaa 246

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<212> DNA
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002260-ETFEES0

<223> Clone ID: 700965080H1

<400> 13856

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caagcttaaa ggttgcattgt gtggttttga tgtgcatggc tgtgatgagt gcaccaatga 120
tggtgcagcc gtgtcatgca atgatgtttc tgtgaaccta gcaccgtgcc tatcttacct 180
gatgcagggg ggagatgttc cagaatcgtg ctgtagcgga gtgaggaaca ttctgggttc 240
tgccagca 248

<210> 13857

<211> 244

<212> DNA

<213> Glycine max

<223> Clone ID: 700965081H1

<400> 13857

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tcagtcaatc cccaaactgc ccctctactt cgggcagcgc tgcccgacct gccccaagac 180
cttgtttctg agatgatgag accccctttg aggtcttatg accctaactc catccaagac 240
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<210> 13858

<211> 239

<212> DNA

<213> Glycine max

<223> Clone ID: 700965082H1

<400> 13858

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caagtaactt taagaacatg gattatgtga aagttcctac aatctactgg gattatacca 120
cccacagatt ctgtaaattg agtatgttcc agggattaaa ataaacaaca tactagcttt 180
agatcaactg ggtgttgtcc gcgtaagggt agggttatat gcggtggatt catactttg 239

<210> 13859

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<210> . 13860

<223> Clone ID: 700965086H1

<400>	13860
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<210> 13861

<223> Clone ID: 700965087H1

<400>	13861
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<210>	13862
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6331

[illegible]

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<223> Clone ID: 700965092H1

<400> 13865

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attggcgtgt ctaccttctt gctgggtggc atgggtggtg cagtgcagct tagcatcaac 180
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<210> 13866

<211> 274

<212> DNA

<213> Glycine max

<223> Clone ID: 700965101H1

<400> 13866

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ggtttgggat agagatttag gcttgtcatc tcactttgtc aataacacga ggagaattga 180
tcatgggggt cctccaaagc tgttcattct tgtaattct agtagttctt ttaaagctag 240
cgtaaacttg ggtgttcata atcctactgt gatc 274

<210> 13867

<211> 270

<212> DNA

<213> Glycine max

<223> Clone ID: 700965102H1

<400> 13867

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ccccgtttta gggcctatgg tctacggttg cttatactgc tctcagtcct atctgaagac 180
cctttccacg ttgagttttg cagattctaa gacactcaag gaagagaaga gggaagaatt 240
gtttgacact ttaaaactca atgattctat 270

<210> 13868
 <211> 265
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700965104H1

<400> 13868

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 tgcctcactt ccaatgcaat tgctgttgaa aaaagaaggc caatgagtcc tgatacacca 180
 agttcacgga gaaagtcact ttctaaactc tcccccaaat ggagagaagg gtcttcagat 240
 atgactttac tttcccccaa ggcat 265

<210> 13869
 <211> 266
 <212> DNA
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<223> Clone ID: 700965105H1

<400> 13869

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 atccttcatg ttcaagcctg gtcaatgtgg aaaccaaatt ggaggcaagt tttgggaggt 180
 gatgtgtgat gaacatggga ttgatgccac tggaaattac gtaggtaact ttcattctca 240
 acttgagagg gttaacgtgt actaca 266

<210> 13870
 <211> 262
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700965107H1

<400> 13870

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<400> 13873
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 agcttccac cactgactac tagagggggg gaaatgaaaa taaaaaaaaa aaaattgtgt 180
 attattgaat ttctctggaa tcttctcttg tgtatggttt tccttccttg tgttttcttc 240
 ctaattcact ttcgaggggt g 261

<210> 13874
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<223> Clone ID: 700965111H1

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 ccggaatggt caaggctggt tttgctggag atgatgcacc gagggctgtg ttccttagca 180
 ttgtggggcg tccacgtcac actgggggtga tgggtgggat ggggcagaag gatgcgtatg 240
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<210> 13875
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700965112H1

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 ttggccaaac actccattc cactgcact gcgagagctt ctaaagcctc tccctgcagg 180
 tcttgaaatc gatgaactcc ctaagcaa t gatgataca cagtaccaa aaacattctt 240
 ctataaagaa gaccttcac ca 262

<210> 13876

<211> 264
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700965113H1

<400> 13876

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 ccaaatggga aggatgtgct cgacattatc ctctctcgca cccagcgtca gacaccaacc 180
 gttgtgcaca aaggatatgc gatttcacgg ctgcgccaat tctacatgcg caaagtgaag 240
 tatactcagc agaattttca cgac 264

<210> 13877
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<223> Clone ID: 700965114H1

<400> 13877

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 tcgccggaac ctttgcccaa aagggtctcc gaattcgccc atggcccttg atttccgacc 180
 ttagagaccc ttcaagtttt cgctttatc ttattcgctt ttcccccttc tttgggtcct 240
 caatttctga atactgcaac tgaga 265

<210> 13878
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700965117H1

<400> 13878

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 gagtgtctcg ctccctcatt catgtccgat ctgtacgacg gaggacgggt agttgcgtaa 180

ctgccgttaa cccttcgccg cacggtgggc gtggtgcttt gccttctgaa ggtggtagcc 240
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<210> 13879
 <211> 242
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700965078H1
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 ctgcaccaac tactggtggt gtgaagaagc cccaccgtta tcgtcctggt accgttgctc 180
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 ag 242

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 <213> Glycine max
 <223> Clone ID: 700965049H1
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 cgcaggttga tttgacttct cacattatta aggtgtactt gacattgaag gttgaaaatt 180
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<210> 13881
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 <223> Clone ID: 700965050H1
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 ttattaaatg actttgaaat atgttattat atttgtggat agtctgaaat agttcagacc 120
 aaatagaaag agtgggttgtt ttagttttaa aataagtaaa gataaataaa aatatgtaga 180
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 aa 242

<210> 13882
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 <212> DNA
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<223> Clone ID: 700965051H1

<400> 13882

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 gtccttctc taattgcaag cacctttaga gacaacattg ttgggggtgg agtgtgcctc 180
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 tt 242

<210> 13883
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700965053H1

<400> 13883

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 tgcatttgag ccacaattga agcagtggca gtcattctgt cgggatggac taatagagat 180
 aggtgtggtg cctaataatg gcttcactta tgaccatatt gatgggacta aagtaggggg 240

<210> 13884
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700965054H1

<400> 13884

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 ctgtggtgtc tcttcacact gcaactgcaa gtgcgggttc tcttacggac tccgtcaaaa 120
 ccagaaagct ttccttgaat cattgtact ccaatcgggt gctgtccttt tcaggggatt 180
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<210> 13885

<211> 241

<212> DNA

<213> Glycine max

<223> Clone ID: 700965055H1

<400> 13885

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 ttatttaata tatagataga aatccaagga agaagatgaa gcattttgcc gtccaaaacg 180
 tcgtcgttcc atcccacgat gagattagcg ttgtttgcc caagccccgc cgcctcggcc 240
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<210> 13886

<211> 241

<212> DNA

<213> Glycine max

<223> Clone ID: 700965056H1

<400> 13886

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 cctcctaagc aattggccaa ccttgccaat cttcttacct tcaatttatc tcacaacaac 180
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 g 241

<210> 13887

cgctgcta

248

<210> 13893
<211> 251
<212> DNA
<213> Glycine max

<223> Clone ID: 700965063H1

<400> 13893

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cattagtcaa aggcattgtaa aagtttgaat tgacattaat ggtgatattt cctaggaata 120
taatttttat tgaaggatca aattagttaa atacttgtag tgaaatatat agatattatt 180
ttgtttatca tgatagctgt ctttttacta gaattgcagc gtgttttgaa atttttggta 240
taccttcgat t 251

<210> 13894
<211> 248
<212> DNA
<213> Glycine max

<223> Clone ID: 700965064H1

<400> 13894

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tccgccctca cactctgacc tgtggtgtcc ctcatgtgac aattcgggag ctgcaagggt 180
tcggtcttgg gttggaatat tgggagaacc cctccttcga aaaatcaagg aaaacgaaga 240
agctcgtt 248

<210> 13895
<211> 247
<212> DNA
<213> Glycine max

<223> Clone ID: 700965065H1

<400> 13895

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 aataagcttg gtgtttttgt ttgaaataga attacctaatt tactggacac tattctttct 180
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 gtggttt 247

<210> 13896
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 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700965066H1

<400> 13896
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 tacaccaag accgctccaa ccagaccatc gcctcggacc tcgatggcac cctccttgct 180
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 gcc 244

<210> 13897
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 <212> DNA
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 <223> Clone ID: 700965067H1

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 gtttgaccaa gttgttgggt gacaacactg acagccagaa tgggccgtta aaaaaatcta 180
 gttctaggaa agttcaaagt aacaatcaat caagattttc ttttgcattg caggaggaat 240

<210> 13898
 <211> 236
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700965068H1

<400> 13898

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gtcactccc ctccgccgcc ccaccgatcg cttttaccct ctctgctcct ccgccggagg 180
acctggcggc ggatccttcg gaggccacgg cgggtcccgga cacggaggac atggtg 236

<210> 13899

<211> 237

<212> DNA

<213> Glycine max

<223> Clone ID: 700965069H1

<400> 13899

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ctgaaaattg tgagaattac ttcctttag tagttgatttg tttagtttta acattaggca 180
ttgttcatga ttttgatagg ttcttcttgt gtgttaaaac atagattgag gaagtta 237

<210> 13900

<211> 237

<212> DNA

<213> Glycine max

<223> Clone ID: 700965070H1

<400> 13900

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aaggtcgtt ttctccgga gaagccaacc ttattttggt ctttatatgt gcatttggtg 180
ctgcatttgc atggtcttgg ggtccactag ggtggttggg gcctagtga atatgcc 237

<210> 13901

<211> 237

<212> DNA

<213> Glycine max

<223> Clone ID: 700965072H1

<400> 13901

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 tcaagtacga gtgcttgctt tttgatatgg atgacactct ttaccattg agcttaggtc 180
 tcaatttggtt ttgtcgcaag aacatacaag agtatatggt agaactcttg catattg 237

<210> 13902

<211> 236

<212> DNA

<213> Glycine max

<223> Clone ID: 700965073H1

<400> 13902

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 tctacgccga cgtcactccc cgcaccgccg agaacttccg cgcgctttgc accggcgaga 180
 agggcgtagg gcgagcggc aagcccctcc actacaaggg ctcgctcttc caccgc 236

<210> 13903

<211> 234

<212> DNA

<213> Glycine max

<223> Clone ID: 700965076H1

<400> 13903

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 attcgcccag caaagaaccc tttttgcgtg aagggtcgcg tctactgtga cccttgccgt 180
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<210> 13904

<211> 253

<212> DNA

<213> Glycine max

<223> Clone ID: 700965048H1

<400> 13904

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 cttcgaaccg gagagttgtc atcgtggtct ttctataggg ctggcatagc agagtttgtg 180
 gccactttct tgttcctcta catcacagt ctgactgtga tgggtgtgtt caaatctaag 240
 agcaagtgtt cca 253

<210> 13905

<211> 238

<212> DNA

<213> Glycine max

<223> Clone ID: 700965077H1

<400> 13905

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 cgtttccgtc gattgcctcc gaaacgatgt cgtatcgccc aagcggggaac tccaggaccg 180
 aggtccgccg caatcggtac aaggtggcgg tggacgcgga cgaaggtcgg agacgacg 238

<210> 13906

<211> 242

<212> DNA

<213> Glycine max

<223> Clone ID: 700965014H1

<400> 13906

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 tggatcttgg tgatcaatga ttgcagcgag tatgatgttg atggggccga agaagagctg 180
 aactttgatg tggaggaccg gaagcctgac catcttcttc catcaaacct cgggatggag 240
 ag 242

<210> 13907

<211> 249

<212> DNA

<213> Glycine max
 <223> Clone ID: 700965015H1
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 ctgcgccact ctgccttagc ttcaatccct ctactttatt tcttagactg tgggggcacc 120
 aaagaggtac ggtagacaat ctacatata ttctgatga aagttacatc aaggtgggca 180
 aaaccaccac catcaacaag ccagacttgt tgccaatact ctcaacattg cgatactttc 240
 ccgacacgt 249

<210> 13908
 <211> 255
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700965016H1
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 cagagctggt cacagagtc tctttttctc acaaagact cgacttatgg acactctcga 120
 agtctatttg cgacttcag attttaagta tcttagactt gatggctcaa caaaaactga 180
 ggaaagaggc aatcttctac gaaaatttaa tgctcctgac tccccgtact tcatgtttct 240
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<210> 13909
 <211> 251
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700965017H1
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 cttaatggcg ttaccataaa agaaacagca aaattaggcc ctgcgccaga gaagcctatt 120
 gaaatatata atttgagagc tgtccatttt gccgaaagg tagagaaatt gttgccattt 180
 tggatcttga tgttcttttc tacccttgc caagaaatgg cccaaatttc cgtcaaaagg 240

ttctagagat g

251

<210> 13910
<211> 246
<212> DNA
<213> Glycine max

<223> Clone ID: 700965018H1

<400> 13910

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agacgccctc ccgagagacg ccatgggagg tgacagtgcc gttgaggaat ccgaaggggt 180
caacgtcaac atcaacgttc gctgctccaa cggttccaag ttttccgttc agattgccgt 240
cgattc 246

<210> 13911
<211> 242
<212> DNA
<213> Glycine max

<223> Clone ID: 700965019H1

<400> 13911

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atgtggctgt ttttggctcg caaggtgtct ttgatccgag ccatcatgta catggtggct 180
cagtgcttgg gtgctatctg tggagttggt ttagttaagg ctttccaaaa gtcttacttc 240
aa 242

<210> 13912
<211> 243
<212> DNA
<213> Glycine max

<223> Clone ID: 700965020H1

<400> 13912

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<223> Clone ID: 700965025H1

<400> 13915

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gacaagaagg ctgaaaggct aatattgaaa atgccgtaca acatagtga acctaatagaa 180
cgaacttggtg gcatcataat aagtgggttat tgcaaggaag gcaatatgcc agaagccttg 240

<210> 13916

<211> 241

<212> DNA

<213> Glycine max

<223> Clone ID: 700965026H1

<400> 13916

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ggctacagtc cctataacct gcagggcaat ctccaataac atttttggac tgccgtatca 180
tttggttatc tatttaccgt cttggagtcc ataaggtgtg ctcttgccgg tatgtatgct 240
g 241

<210> 13917

<211> 238

<212> DNA

<213> Glycine max

<223> Clone ID: 700965027H1

<400> 13917

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ctcgaattct cagtcaatgg ctgcagcagc accgagtgat ggttctggga agaaggtgag 180
agagccttac accataaccg agtccagaga gagttggact gaggaagcac atgataag 238

<210> 13918

<211> 243

<212> DNA

<213> Glycine max

<223> Clone ID: 700965029H1

<400> 13918

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 tttctcaaaa caaccaggaa acccacaac aacagttatc caggctactt ttatgaattt 180
 gtccccaat acatatacag attttgtttt ccaggcagca gttcctaagt ttcttcagtt 240
 gca 243

<210> 13919

<211> 252

<212> DNA

<213> Glycine max

<223> Clone ID: 700965031H1

<400> 13919

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 atcaattatc cacaccacag aggattccag tgattgagt agtggatatg aatatggaag 180
 gaccttatga tttatcatgc aatggagaag ctggtaacaa aagccttcag atcattaaat 240
 actctcctta ta 252

<210> 13920

<211> 253

<212> DNA

<213> Glycine max

<223> Clone ID: 700965032H1

<400> 13920

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 ttcttcgact gtctacgatc tgctttctct gaattgtgaa aatgtcgctc ggagaaactg 120
 cttgttcata cgcagctctc atccttcgat aagatggaat tagtgtaact gctgacaaga 180
 tcagcacctt gttgaaaact gcaaagggtc cagtagactc ttattggcca accttgtttg 240

tcttcatgtc cgatctgtac gacggaggac gggtagttgc gtaactgccg ttaacccttc 180
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<210> 13924
<211> 241
<212> DNA
<213> Glycine max

<223> Clone ID: 700965038H1

<400> 13924

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tctaattcca aattggtggt tgggtgctga gaaactccaa gaaaagaaaa atagagcttt 180
tccgtgtatt gatgatcctc tgttcactca gaaaactttt ctcttttgtg tgtagagtct 240
a 241

<210> 13925
<211> 242
<212> DNA
<213> Glycine max

<223> Clone ID: 700965042H1

<400> 13925

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aaaggttcta tttctcttcc agttttgttc ccaatgtcga aactgcagcc gcattctgggt 180
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ga 242

<210> 13926
<211> 240
<212> DNA
<213> Glycine max

<223> Clone ID: 700965043H1

<400> 13926

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ggttcgcaag tgcgatcgaa gaagaacaac gacgatggcg atggctgcag ctctgcgtcg 180
cgaaggaagg cgtttgacc aaccaatcaa cgccctccac tcttctctca attcctccct 240
catct 245

<210> 13930
<211> 233
<212> DNA
<213> Glycine max

<223> Clone ID: 700965012H1

<400> 13930

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gagaagagag gaaattggcg tggcgtggcg tgatcggggc acagtctgaa tctgaaatcc 180
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<210> 13931
<211> 249
<212> DNA
<213> Glycine max

<223> Clone ID: 700965047H1

<400> 13931

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aaggttttca cagcacatcg atacgaggat gttgcggctg tcgattcaac gagtgaggaa 180
gttgaacttt ctcaagcccc agatctctgc tttgggaagg tccatttgt caactgctgc 240
tgaaccatc 249

<210> 13932
<211> 266
<212> DNA
<213> Glycine max

002200 EFFE560

<223> Clone ID: 700964978H1

<400> 13932

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ccctccttt cacatTTTTg gtgtcgacat gatccgctag cactaattgg aatattagga 120
gtaaaccctt cgagggggga aaaccaaacc aattcaacca aatgcatacc atgcctccta 180
aaggcacctt aactttaata ttccttcacc atgatgtcct ttctttcaac aacagagaac 240
acacgttaat cacaccctct ccccac 266

<210> 13933

<211> 266

<212> DNA

<213> Glycine max

<223> Clone ID: 700964979H1

<400> 13933

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agtacgatga ggctggctct tcaattgtac acaggaaatg cttctaaatg ctgcacagcc 180
tacagggtag cttggtgaaa gaaattaaaa tacggcggtc tcgttttata tgatgaaaaa 240
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<210> 13934

<211> 260

<212> DNA

<213> Glycine max

<223> Clone ID: 700964980H1

<400> 13934

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gctctcgctg gagttgagtg tgatgggtata ggtaaatagg aaagaaaaac taagtgagga 180
aaggtgaaaa aagaattaat tagagtggaa gagtgtggtt attttctgat ttgagaagca 240
aataccaaag agtgaagaac 260

tggtgccaga ttctggcgaa gcgaagagga ggacaacctg ctgaacgccg agcaccactt 180
cgcgagcttc aaggccaagt tcgccaagac ctacgccacc aaggaggagc acgatcatcg 240
cttcggcgctc ttcaa 255

<210> 13938
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<212> DNA
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<223> Clone ID: 700964984H1

<400> 13938

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aggagcagga tgtgtcgttg ggagcgaaca agttccccga gagacagccg attgggacgg 120
cggcgagag ccaagacgac ggcaaggact accaggagcc ggcgccggcg ccgctggttg 180
acccgacgga gtttacgtca tggtcgtttt acagagcagg gatagcagag tttgtggcca 240
cttttctgtt tctctac 257

<210> 13939
<211> 254
<212> DNA
<213> Glycine max

<223> Clone ID: 700964985H1

<400> 13939

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tttggagtgt catgggtttg tgattattat gtttcagaca aaaagctatt tggaggttct 120
acccttgaa ctattacaaa caatgagtgg gcagaagaga ctgacaaaaa attgcaggca 180
tggcctcgta ctgccggtcc accagtggtc atgaatccca taagtcgcca aaatttcatt 240
gtcaagtctc gcgc 254

<210> 13940
<211> 257
<212> DNA
<213> Glycine max

<223> Clone ID: 700964987H1

<400> 13940

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ctgcaccaac tactgggtgt gtgaagaagc cccaccgtta tcgtcctggt accgttgctc 180
ttcgtgagat taggaaatac cagacgagta ccgagctttt gatccggaag ctccccttcc 240
agaggctggt tcgtgaa 257

<210> 13941

<211> 124

<212> DNA

<213> Glycine max

<223> Clone ID: 700964988H1

<400> 13941

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catttcaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 120
agag 124

<210> 13942

<211> 258

<212> DNA

<213> Glycine max

<223> Clone ID: 700964990H1

<400> 13942

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tggtttcaaa aggaatatgt tccggtcagt ctcatcgagt atgaagatgt aaatctggat 180
gatgtaaagt ctgcatttga caatgatgag gatcagagga ctaaccagca atgtgagaat 240
gacgacatgg gtcctcta 258

<210> 13943

<211> 260

<212> DNA

<213> Glycine max

<223> Clone ID: 700964991H1

<400> 13943

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tcaaccccg c tactgaagac atcatagggc atattccagc cgctactaag gaagatgttg 180
accttgcggt ggatgctgct aaaagagcct tttcccataa caaaggcaaa gattggtctt 240
cagctcctgg ctctgttcgt 260

<210> 13944

<211> 260

<212> DNA

<213> Glycine max

<223> Clone ID: 700964992H1

<400> 13944

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gcttccttct ccggccatct ttatcctgat ggcgtcgtct ctgggaattg cttgcggtgg 120
aaacaacgcc aaattagggga tcccaaagca gcggtgtggt tcggttcttc agccgccgtg 180
ctccctcgct atggggcgct cgacggcgag ggtggggagg atcacgatgg cgatggccac 240
ggccacggcg gtgatgacca 260

<210> 13945

<211> 71

<212> DNA

<213> Glycine max

<223> Clone ID: 700964994H1

<400> 13945

cgagaacaaa aaaaaaaaaa aaaaaaaaaat ccggaattcg tcttcacgga aaaagtga 60
cccaaatacg a 71

<210> 13946

<211> 261

<212> DNA

<213> Glycine max

<223> Clone ID: 700964995H1

<400> 13946

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aaacttcaat taataattat ttggagtcca aaccttggca gctggcatca ataccggcca  120
ccaacaaaga aaaaaactaa acaatattat ggcgaactgt cagcaatatt attttctttt  180
gctttctctg gcaattttta ttctaccct gaatgccaat tccttagaga aagatgagta  240
ttggcagagc catgtctatg a                                           261
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<210> 13947

<211> 253

<212> DNA

<213> Glycine max

<223> Clone ID: 700965001H1

<400> 13947

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ctccaaaggg tccattgtgg attcttggcg atgttttcat gagggcatat cacaccgtct  120
ttgactatgg aatctccaag ttggctttgc cgaagcagtc taattacgct ttctggagga  180
ttttctttgt aaatttgtaa agcgtgttgt aaataagctg ttataattgt agctctgggt  240
actttttgaa acc                                                         253
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<210> 13948

<211> 262

<212> DNA

<213> Glycine max

<223> Clone ID: 700965002H1

<400> 13948

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aggaccttta tcttggaact tccaagaagc tctccctctc cagaaatgtt atatgctcca  120
agtgcagtgg caagggttct agtctggtgc ttcgatgaag tgtgctgggt gtcaaggaac  180
tggtatgaag gtttctataa gacatcttgg cccatccatg attcagcaga tgcagcatgc  240
ctgcaatgaa tgtaagggtta ct                                           262
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<210> 13949
 <211> 241
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700965003H1

<400> 13949

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 gtcgcgatgg aagttggact tgtgccggac gggaacacga tgtcggagat atcgaactgc 180
 agctacagca aagtggcacc ggtgacggtg acggcgcagt tctcggcggc ggatagggag 240
 g 241

<210> 13950
 <211> 243
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700965004H1

<400> 13950

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 tctagtctca aagatgattc cagcatctga caagggcaga ttttttgctt ttggtcgtgt 180
 attctctggc agagtttcaa ctggtttgaa ggtgaggatt atgggaccaa attatgtccc 240
 tgg 243

<210> 13951
 <211> 243
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700965005H1

<400> 13951

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<400> 13954

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tactctcgtc ttccacctcg caagtcacgc tegtcttcca cgctgattct gactctgttc 120
ctggctttca ccttctcgt tctaattctc ctggctctcg gcaccccttc cattcctagc 180
tcctcgcgtg gaaatttgcc caaacctaac gatctcgcat ccattgctcg caacacaatc 240
c 241

<210> 13955

<211> 241

<212> DNA

<213> Glycine max

<223> Clone ID: 700965010H1

<400> 13955

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tgtaagggtg gctctgctac ctaatggagg tccttctggt ctattctttt ctggaagtga 120
agtgacccat tctgatccaa agactgttgt gtacttgaag aggataaata ataagcatgg 180
tttcatgata agacatgtat caaatttgta cctagcacia caagaaaata agccacatgt 240
c 241

<210> 13956

<211> 238

<212> DNA

<213> Glycine max

<223> Clone ID: 700965011H1

<400> 13956

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atgaaaagaa cctggagttg gagagtaagc gtcggagggtc ggctcagggtg cgtgtcccat 120
cagtcctaata gcttggcaac agatgcgtga gaattatgaa gcaataattc ttgaggatcg 180
agctttctct gagcagcaca atattgaata tgctctttgg cagttgcatt ataagcag 238

<210> 13957

<211> 251

<212> DNA

<213> Glycine max

<223> Clone ID: 700964977H1

<400> 13957

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 ggagagtgat tcaacttggt ctctgaacc tcacaaaatg tctggccaaa atcgctctat 120
 attttctgcc aaatcgggat ttgtcatccc taaaaacgag ttgtcagggt cactggtgcc 180
 tattttccga tgggctaaaa agcatggggt cactgttggt gccaccaatg aagaaagttc 240
 aaaacaaatt g 251

<210> 13958

<211> 264

<212> DNA

<213> Glycine max

<223> Clone ID: 700964949H1

<400> 13958

gaggagaaaa ttgaatacaa tgatcttgta aagtcagttc ccgatgggaa ctcttcaaatt 60
 aatgaagaac acaccaatat ccagacagtt cagccagata aacaaaagga tgtgcccccc 120
 aaaaatggat ctaaatacgaa ttcaaaagat cgtggagatc ccaatgatcc ttgtgtcaga 180
 ctaaagcgtg attgtgttgg aattatggct gcattcaaac tcaaagatcg ctctcatcat 240
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<210> 13959

<211> 261

<212> DNA

<213> Glycine max

<223> Clone ID: 700964951H1

<400> 13959

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 cacagaacat acgagggggt tcttcgtgag ctcatcagcg atgcctctga tgctttggac 180
 aagattcggg ttgagagtgt tacagacaag agcgagcttg atgctcgcgg ggagttgttc 240

attcacatta ttcctgacaa g

261

<210> 13960
<211> 259
<212> DNA
<213> Glycine max

<223> Clone ID: 700964952H1

<400> 13960

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aggacatttt ctgcatcaga cacacacata gatagaaaat acaacaaaaa tgttggtgtc 120
catgtccgtg tgcggccaag atgagattga gttgtcaaga gatggcagcc actacagtct 180
ctcaactgga atactacctt cccttgagc caaaagtaac cgcagactca agctcaaacc 240
cttcattata tctccctat 259

<210> 13961
<211> 258
<212> DNA
<213> Glycine max

<223> Clone ID: 700964954H1

<400> 13961

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cagaccacgc cagcagttgt aggcgcccag gcggcgctag ggtggcagca acagccgcaa 120
ggcggggttg gcctcaacgg aatcatcgc atggtcgttt tctggtactt cgcttccaaa 180
ttgctttccc ccaaaaaccc taccgaacct tccgctctca tctccaatct ctttcagaac 240
gcacagcctc tggatatg 258

<210> 13962
<211> 260
<212> DNA
<213> Glycine max

<223> Clone ID: 700964955H1

<400> 13962

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ttggtttatc aggacctcct tacaggtgat gagctttctc cggactcctt ccgttacaat 120
 gaaattgaga atggaatgct gtgggaagtt gaggggaagt gggttgttaa gggagcagtt 180
 gatgttgaca ttggtgcaaa cccttctgct gaggggtggag aagatgaggg agtcgatgac 240
 gcagctgtta aggttgttga 260

<210> 13963
 <211> 263
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700964956H1

<400> 13963
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 aaccggagga gtgacttcta tggaaccatt tctcatcaaa ttctttcccg gtgtttataa 120
 acaaatgcaa gatgatgttg gccatagaag ccaatattgc aaattagaca acgagctcct 180
 tacactcttc acctcttcct tgtatcttgc tgcattagta gcttctttct ttgcttccac 240
 cactacaagg attctgggac gca 263

<210> 13964
 <211> 264
 <212> DNA
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<223> Clone ID: 700964958H1

<400> 13964
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 ggattcaaat gggagcctac gtgctaacac ctgggcaagg tcgtcgctct tgacctctcc 180
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 acaaaaatgg gatgttcctt caaa 264

<210> 13965
 <211> 267
 <212> DNA
 <213> Glycine max

<210> 13968
<211> 272
<212> DNA
<213> Glycine max

<223> Clone ID: 700964962H1

<400> 13968

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acaccgctca ttttctcttc tttttctct gctaatacatg gcaaccttgt ctactaatca 120
ttgcacatta caaactgcaa gcaaaaatcc atccattgtt gccaccatag tgaagtgtcc 180
ttcttcttta aggtctgtga agagcgtttc cagatctttc ggcttgaagt cggcctcttc 240
atttagagtc actgccatgg cttcttaciaa gg 272

<210> 13969
<211> 258
<212> DNA
<213> Glycine max

<223> Clone ID: 700964963H1

<400> 13969

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actcctactc tactctatct acacggaaga acaaaaaact atccccctcc cccaaaaaaa 120
accccaaagc ggctcgggta ggggttagtt ttgtaccatt tcgtgtaatc taatttttca 180
tccgtaaaaa tctaattttg aggcggcgag atggcggaga ttcagggtgca gcatcagagt 240
ccgggtgctcg cggtcct 258

<210> 13970
<211> 269
<212> DNA
<213> Glycine max

<223> Clone ID: 700964964H1

<400> 13970

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ttgatcacag tgggtgtggtg cgcgggtggcg gtgctattat gcgccgcggc cgggtgcgtcg 120

tgggtggagg aggcggcgaa cccgatacga atggtgtctg gcgtggaggc ggaggtggtt 180
 cgggtgatcg gggagtgccg gcgtgcgttg aagtttgcta ggttcgtgag caggttcggg 240
 aagagttacc aaagcgagga agagatgaa 269

<210> 13971
 <211> 263
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700964965H1
 <400> 13971

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 tccaatgcat agcaaagaat gccctgaaaa gtggagaaga agaagaattg taagttctta 120
 aatctgggca tctctttcat atatgtgaac tgaccaactg aactcactaa gacataaata 180
 caataagcta catctctcag atttatgaga ttgcgttcat tggttgaggg agtgtagttt 240
 ggttttgtca gagttcta tca 263

<210> 13972
 <211> 260
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700964966H1
 <400> 13972

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 ctcttcttct tctcctccta ttgaactttg gtcacacac gagaaaaccc acgtctggat 120
 cttctggtgt aaaggccatt agaagccttt tagaaatttt caaattgagt tgggtgatag 180
 tgttgaaggg ggtgaaattt ggagcccagt ttgttacttc atttgaaagg tcatagtttg 240
 aaccctcttt ttctggagat 260

<210> 13973
 <211> 260
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700964967H1

<400> 13973

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 ctgatgcaac aaagaaattg aaggaatgtg aaaaagcagt aatgaaactt aaatttgaag 120
 aagcgattgc tgcaccagag tctgaaaggc gttcaatagc tgaatccata gatttccgaa 180
 caatagatgt tgagccacaa tattcaggag caagaataga gggggatgct gttactttgg 240
 attttgtgaa aaaaatgata 260

<210> 13974

<211> 258

<212> DNA

<213> Glycine max

<223> Clone ID: 700964968H1

<400> 13974

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 ggcttttgat cacatcaaatt acttcaatgg aggttctgag attcaacttc atcttgacaa 180
 gtacactggg actggcttcc agtccaaagg gtcatacttg tttggtcact tcagcatgaa 240
 cataaagatg gttcctgg 258

<210> 13975

<211> 254

<212> DNA

<213> Glycine max

<223> Clone ID: 700964969H1

<400> 13975

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 ccctgttatt cgaactgcaa cttcaattgt tcctttggga tggaatgatg gactaggagc 120
 aaaaaatgga gaacctctga aagttgatat tactggtttt gggttgcatt tatgtacact 180
 tgttcatgct caagtgaatg gtaactgggt ctcaactact gttgaatcat ttccttctcc 240
 accaaactat tctt 254

<210> 13976

<211> 256
<212> DNA
<213> Glycine max

<223> Clone ID: 700964970H1

<400> 13976

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gaacaacctg ctggatatgg catctgtgca agatgattct gcaaaaactc tttctgagga 180
gcttgacagac attgaatccc agctgaagtt ctttgagacc ctttcttttc ttgatgaagc 240
ctgggctgat gctgca 256

<210> 13977
<211> 258
<212> DNA
<213> Glycine max

<223> Clone ID: 700964971H1

<400> 13977

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gtatgcatga tcagttttgt ttatttggtt catttaattt caacattcta atgctgttg 180
tttgcatctt aagaaagcat agaaagtga aagcatgcag tatctattgt gatgttggtt 240
tgcatacatt ttacctct 258

<210> 13978
<211> 260
<212> DNA
<213> Glycine max

<223> Clone ID: 700964973H1

<400> 13978

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taagccgcat cctcaagggtg aagaatatgg tcctgttagc gaagtctacg tgccttcgag 120
cgaaggagtt tgaagcttat atttggttat tggcaaaggc ttatgttggt gtaaagtact 180

cgtgctacca tcaactcggt agccattggc taaacactca tgcggttggt gagccattcg 240
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<210> 13979
<211> 260
<212> DNA
<213> Glycine max

<223> Clone ID: 700964974H1

<400> 13979

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ttgtcatggt ttgggggata aagtatttac aggaacatat ggagtaaact acggtaggat 180
agcagacaat ctaccttctc ctgagagtgt ggttactctt ctgaaagctg caaagattag 240
gaacatcaga atatatgatg 260

<210> 13980
<211> 263
<212> DNA
<213> Glycine max

<223> Clone ID: 700964976H1

<400> 13980

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agaactgacc tatttgtata tacaatatga tgagtgtgat aatgctgcaa ctaccatcat 120
gaaccattca cctgaagcat gggatcacat gcaattcaaa gatgttggtg ttaaagttgc 180
taatgtggag ttgtattaca aggctgttca cttctacttg gaagagcatc cagatcttat 240
caatgatggt ctgaacgtcc ttg 263

<210> 13981
<211> 273
<212> DNA
<213> Glycine max

<223> Clone ID: 700964948H1

<400> 13981

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 atctcggaac cacctactct tgtgtcgggtg tgtggcaaca tgaccgagtt gaaatcatcg 180
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 tcatcggtga tgcggctaag aaccaagtcg cca 273

<210> 13982
 <211> 267
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700964922H1

<400> 13982

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 ttcattcttc cttgcacctt cttctttgaa gatcgaaatt gtgtttttga aaaaatggga 120
 gttccagaga aagaccctct ttcccaattg agtttgctc ctgggttttcg gttttacccc 180
 accgacgagg agctcctcgt tcagtatcta tgccgcaagg tcgctggcca ccatttctct 240
 cttccaatca ttgctgaaat tgatttg 267

<210> 13983
 <211> 264
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700964923H1

<400> 13983

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 atggatgttc tatccaaggc tgcaatgaac aaagggatga gcaattatgt gttcgtcgtt 180
 tatcgccatg ctgttgcaatt ctttgttatg gcccctttgg catggttttc tgacaagaca 240
 gtaaggccaa agatgacatt ctca 264

<210> 13984
 <211> 263
 <212> DNA

<210> 13987
 <211> 272
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700964928H1

<400> 13987

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 aaattgacct tttcttctga tattcaggcg gaagtgggtgc tcttgggtgca gggctcagta 120
 aattcagcac tgctgctgcc attgaagaac caattaaacc accacttaaa gttgaacaca 180
 ccagctctt aattgatgga aaatttggtg atgctgctac tggcaaaact tttccaacgt 240
 tggacccag gacaggagat gtgatttctc at 272

<210> 13988
 <211> 274
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700964929H1

<400> 13988

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 ctgctaccac tctctctct cctctctctc cggggaagaa ggagctcggc ggcggcgga 120
 agatcaccga tgaattcacc gggcagggcg cgatcgggca ggtctgccag gtcattggtg 180
 ccgtcgtcga tgtcagattc gacgaggggt tgctccgat catgaccgag ctggaggttc 240
 tggatcactc gtcgaggctt gtgttgaggg tggc 274

<210> 13989
 <211> 275
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700964930H1

<400> 13989

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ttttgctggg tgtgaggtct gatacccttc agaatgtagg cgcaattccc cccacatgca 180
 agcgcataga gtgtcccagc tatgatgtca ttcacgtagg caacggctac gaaatccgtc 240
 gctataattc acccgtttgg atttcaaaca gcccc 275

<210> 13990
 <211> 277
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700964931H1
 <400> 13990

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 aattttcacc tactctaaat ttccgaggac atgcgaaaaa tgataataga tctcgtcggt 120
 aacgttaatt ttaacataaa tttttaaatc gtaatttata actaaatatt acaaaatgga 180
 attcttatta aaatgaaatt caaatcattt cttttataaa aaagaaaaaa attctttaat 240
 taaatattta atgaaattaa atatttaa attaataa 277

<210> 13991
 <211> 279
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700964932H1
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 tggagtagtg aagaggcaag aaattgaagg ggatgttgat gatgagaaaa agactagcat 180
 gctgcacaag ggaaaggaaa tttagcatcg atcatgatga gcaagagagg attatgacat 240
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<210> 13992
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 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700964933H1

<211> 263
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700964936H1

<400> 13995

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 tacaacaaag acaaattatg ggaggctgta ttagaggac acattgacct attaagtact 180
 gatcattcac caactgtgcc tgaactcaag cttatggagg agggtgactt cttaaaagct 240
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<210> 13996
 <211> 261
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700964937H1

<400> 13996

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 taacaaagga agtattgttt cttcaggagc agttccaggt atagtcatg tgctgaagaa 180
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 tgaaaacaag gttacaattg g 261

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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700964938H1

<400> 13997

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 aagaagctgc ggcccagggt attatttctg gtatcaatgc tgctagacat gcagacggta 180

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 atcggcactg tcgccatgca catgcagctt ctccacaacg accgcgtcat catcttcgac 180
 cgcaccgact tcggactctc caacctaacc ctccccgacg gaagatgccg caacaacca 240
 aacgagttgg tcgtcaaacg cgactg 266

<210> 14001
 <211> 266
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700964943H1

<400> 14001

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 ttgtccttag ctcttctttc ttggaaatct caatggctgg ttctcctttc tgtgactcaa 180
 agtgcgcgca gaggtgtgcc aaagctgggg ttcaggacag atgcttgagg ttttgcgggg 240
 tctgctgcga gaagtgaac tgtgtc 266

<210> 14002
 <211> 100
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700964944H1

<400> 14002

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 gggtttccaa ctcccctoga attatccctg taatgcagtt 100

<210> 14003
 <211> 270
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700964945H1

<400> 14003

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 caattctcca atgaaggtag agaagatgaa cagagttagg cctcgtggct ttcaaattct 180
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 tacttctttg tttggttggt ttgttttgct 270

<210> 14004
 <211> 270
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700964946H1

<400> 14004

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 gagagaacaa gaggattgga ggattacgac agcgctgtta acgttggtgt tgggtgtttgt 180
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<210> 14005
 <211> 271
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700964947H1

<400> 14005

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 tcaaattgta ttcagtattt aaaaccacat ttggggccaat tcggggccgcg ggcacatccg 180
 gaatccaagc ggccaaaatg gacgagccag gggccacgac gtcgggcttc aatacccacg 240
 ggcaactccga agacgggcct ctggaactgt a 271

<210> 14006
 <211> 265
 <212> DNA

<213> Glycine max
 <223> Clone ID: 700964921H1
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 ccctgagaag cacgatgatt atcacatggt gctcagattc ttgaaggcca ggaaatttga 180
 acttgagaaa tctaagcaaa tgtggtctga catgcttcaa tggaggaagg aatttggtgc 240
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<210> 14007
 <211> 192
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700964882H1
 <400> 14007

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 caaacttcca ccgtccgcgg ccacagcaac gctgtcttcc gccgtcactc tcgccgctaa 180
 acccctctca ct 192

<210> 14008
 <211> 145
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700964884H1
 <400> 14008

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 aagccctagt ttcaatgcga acatcctata atcttgttct tcttcgctct cgcttccgca 120
 gctctcaciaa tttccacgca taccg 145

<210> 14009
 <211> 247
 <212> DNA

<213> Glycine max

<223> Clone ID: 700964885H1

<400> 14009

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tctttatctg atatgattct gcaacagaaa ccacgagAAC attccgcccc aaaaaaagta 120
ctccttctgg aagtaaggga gctcaacctt agaaaacaca ttgatgccac gttgggtagt 180
ggaaatctga gggaagcagt aaagctacct cctggggacg acttaaata ga ttggctagct 240
gtcaaca 247

<210> 14010

<211> 244

<212> DNA

<213> Glycine max

<223> Clone ID: 700964886H1

<400> 14010

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gggaacatgc aaaccagggc agtgtctatc ttgggtccaca caatcatctt ctttggctctc 120
attaccatct ttcttggttg tattggctaa atgcttgga actggcgagc cagtggccat 180
taagaagggt ttactggaca aaagatataa gaatcgtgag ctacagttaa tgcacttgat 240
ggat 244

<210> 14011

<211> 244

<212> DNA

<213> Glycine max

<223> Clone ID: 700964888H1

<400> 14011

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cagctatcta ttggctttag ctcttcggaa aagaccataa ccgtgtggtg tgcctatgtc 180
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244

<210> 14012
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<223> Clone ID: 700964890H1

<400> 14012

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 ggtgatgttc cgaaaaagct cactttttct tcttttttgg gtctttctaa ggggtgttgg 180
 ggaagcagga gctcgagggg gtgtgctgct tcaaatgcac ccgcaccact cgctgggggc 240
 atat 244

<210> 14013
 <211> 246
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700964891H1

<400> 14013

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 ggggtgcaggc ccggttcggg tttggcaaga agaaagccgc cgccccgaag aaagtttcca 180
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 acctgg 246

<210> 14014
 <211> 246
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700964892H1

<400> 14014

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ttcgagtact tcaccttctt tctctctaag cgcaaaacct cgtactgttt ttggcgggta 120
 aggatgtcgg ggaaaggagc gaaggggttg atcacaggca aaacctccgc cgccaacaaa 180
 gacaaggaca agaagaaacc catctcgcgt tcttctcgtg ccggccttca gttcccagtt 240
 ggtcgt 246

<210> 14015
 <211> 247
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700964893H1

<400> 14015

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 ctggatgatg ttacagAAC ccatttcgat tgttttgaga agtgcgatgt gacatctctg 180
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 aagggtg 247

<210> 14016
 <211> 248
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<223> Clone ID: 700964894H1

<400> 14016

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 tgtcaagatt cctgtatacg aacaattttc aacgaaactt gatttcgtct ggtggcaatg 180
 aatcgatta tgggtatttt aacaggagat catacacttc actttatatg ggaactggaa 240
 ctgtgggt 248

<210> 14017
 <211> 249
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700964895H1

<400> 14017

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 cactcccatt ccaagtccat tgcgagatct tctaaagcct ggcctgcaa gtgttgaaat 180
 cgatgatcaa cctatgcaaa ttgaagaaac acagtacccg aaaaccttct tctataaaga 240
 agaacttca 249

<210> 14018

<211> 68

<212> DNA

<213> Glycine max

<223> Clone ID: 700964896H1

<400> 14018

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 gtccgttg 68

<210> 14019

<211> 270

<212> DNA

<213> Glycine max

<223> Clone ID: 700964901H1

<400> 14019

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 aaaaatgaga gaaatcatca gcattcaat aggtcaggcc gggatccagg tcggaaaactc 120
 ctgctgggaa ctctactgcc tcgaacatgg catccagccc gacggcatga tgccttctga 180
 ctccaccttc ggtgtagccc acgacgcctt caacaccttc ttcagcgaac ccggatctgg 240
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<210> 14020

<211> 269

<212> DNA

<213> Glycine max

<223> Clone ID: 700964902H1

<400> 14020

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 cccataccgt tttccttctc ctttcaaate ctcggccaca aattttggga tctttctggg 180
 cctccgaatc atggaaaagg aagagaagga accccaggtt cagaaaagtg ggggcgaaag 240
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<210> 14021

<211> 271

<212> DNA

<213> Glycine max

<223> Clone ID: 700964903H1

<400> 14021

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 gtccataatc accccacgcc gtcatectca aacgacacc ttccgctagc aaaacgactg 120
 cggtttggtc gtcgtcttcc ccgaggcatg ctcttgggat attattattc atcatcgtaa 180
 tcacacccta cagagacgtt gactttgtgc tttttctggg aggggaacaa atggaccaag 240
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<210> 14022

<211> 91

<212> DNA

<213> Glycine max

<223> Clone ID: 700964904H1

<400> 14022

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<210> 14023

<211> 266

<212> DNA

<213> Glycine max

<223> Clone ID: 700964906H1

<400> 14023

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atctctagat gaaaatgttg agtccttttt gtcccatgat gacacggacc ctagagatac 180
tgttggccgt tgtatggatg taagcaaagg cttcacattt tctgatgtaa attctgtacg 240
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<210> 14024

<211> 265

<212> DNA

<213> Glycine max

<223> Clone ID: 700964908H1

<400> 14024

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atctatcgac aatatctttc gcttcgtcca agcaggatct gaagtatctg ccttattggg 180
tcgaatgcct tctgctgtgg gttatcaacc cactcttagt actgaaatgg gttctttaca 240
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<210> 14025

<211> 270

<212> DNA

<213> Glycine max

<223> Clone ID: 700964909H1

<400> 14025

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tagggaagtc attgagccac aaattatcac ttatggaaca attgaagagg cccttaaaga 180
aaagaagttg ttcattgctgg attaccatga tttattctta ccatatgtaa gcaaagtgg 240
aaaaattaag ggcaccacat tatatggatc 270

<210> 14026
 <211> 270
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700964910H1

<400> 14026

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 ctgatctcat ccccatggat ccctttgatt taatacgcga agggtttggt tgaggctgac 180
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 ttagttaata atgaacttat ccaagaaagg 270

<210> 14027
 <211> 271
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700964912H1

<400> 14027

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 cagcgtcgaa atcgtcgacg aggtcatcaa tctcgacaaa gaatggcgaa aacgtcaatt 180
 cgagttggaa aatctccgca aggaattcaa caagatcaac aaggaagtct ccaaactcaa 240
 gcgtgctggg gaggatgctt ctaagttcat t 271

<210> 14028
 <211> 276
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700964914H1

<400> 14028

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<400> 14031
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 tcgagttcta ttcttggcca tcagtaagtg caaggagaaa tcaaaacaag ttagtgttgg 180
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<210> 14032
 <211> 270
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700964917H1

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 caatgtgtag catttccttg gcacaaaatt cgcccaaaga tttccttgac gcgcacaatg 120
 cagctcgtgc agaggttggg gttgagccac tcgcatggga cgacaccgtc gcagcctacg 180
 ctcagcaata tgcggactcg aggatcaaag agtgccaagt agtgcaactc caggggcctt 240
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<210> 14033
 <211> 252
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700964844H1

<400> 14033
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 aaagtacaat ttggctaatt gccaaaggcat atgttggtgt caatgactcc tgctatcatc 180
 aactcatgag ccactggtta aacactcatg ctgtgattga accacttgtc atagcaacaa 240
 acaggcatct ta 252

<210> 14034

<211> 257
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700964847H1

<400> 14034

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 tcttcagcac ttccttccgc caccttctcc cctccgatcg cagtctccgg ccgcagcaac 120
 tccgccgcgc tgccgcgcta ctccggcctc cggctccgac ccgccgctga gaccagtttc 180
 ccgactcacg ccagctcgag aaccgcttct cgcggcggac gtgtcaagtg cgacgcacga 240
 gacaccgctg ttgaagt 257

<210> 14035
 <211> 257
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700964848H1

<400> 14035

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 aataaggtat ttaatgataa tgacagcttt gtgacttttag ttaagtcgtc gtttaagaga 180
 cttcaatagc catttccgtc ggtccatctt aaaccaaaga aaggtgcctt tgacggagtt 240
 tcttttgcta tcataaa 257

<210> 14036
 <211> 254
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700964849H1

<400> 14036

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 ttcccccatc aaagttgggc acattgatga tgtccaagag ctaagaaaaa ccaagccaag 120
 gacaattcct caaagatttg tacgagactt gacagaaaga ccaacactca ctacacctct 180

tccccaccca catagtgaca tgccagtcac tgatttctct aagcttagca aagggaacaa 240
agaggaagtc ctca 254

<210> 14037
<211> 248
<212> DNA
<213> Glycine max

<223> Clone ID: 700964851H1

<400> 14037

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gcatctgatt tatataacct tgtttggtca ctcttatttt tatgttatgg ctatttcata 120
tttgaggatca gcatcataag cagttgttgt ttcggaaaca caagatgaat tctggtgggt 180
acgctgttga ggttacgggt ctctcgccaa aagccacgga caaggatggt cgtgacttct 240
ttgcttta 248

<210> 14038
<211> 250
<212> DNA
<213> Glycine max

<223> Clone ID: 700964852H1

<400> 14038

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tatctgggat tgaagagaaa acaatcattc aagatgaaat agcatgccaa aaggaacacg 120
atcctttcaa caaagaatct gtgcaactcg gcgctgttcc agaagtcgcc tttgtcccag 180
tgattgacaa gcaagttaat gcatcttggg aaaaagcggg acaaaataat caacttgcag 240
cttctaaaga 250

<210> 14039
<211> 247
<212> DNA
<213> Glycine max

<223> Clone ID: 700964853H1

<400> 14039

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aatccttcag aaaattgata ctagatggat ctgccaaaga tcattttattg ttgatactgg 120
taaggtagact tctcgggaatc tcaatagagg ttttatcctg aatagtaagt taagtagcct 180
tctaattctta aaactcccca gaaattgctg agttcttctt cattgattca acaccttttg 240
tggacaa 247

<210> 14040
<211> 248
<212> DNA
<213> Glycine max

<223> Clone ID: 700964854H1

<400> 14040

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tctgtagcta gaaggaatth ggggtacttg tactgcgcaa cagggaaccc cattgatgat 180
tgctggaggt gcgacccaaa ctgggagaag aaccgccaga ggctagcgga ttgtgcgatt 240
ggtttcgg 248

<210> 14041
<211> 248
<212> DNA
<213> Glycine max

<223> Clone ID: 700964855H1

<400> 14041

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atgcacccga gtccatagaat gcacagaagc acaacattga tcactataac ataataacta 120
atggagctgg tgacgatgtc aagaacaaga gtggctctca tgaccctcac cctgggtggg 180
gtgacagttc tgaacaacac agagagtgc gaaagtgtc gcactttcta tgtgttcggg 240
gactctct 248

<210> 14042
<211> 251
<212> DNA

<213> Glycine max

<223> Clone ID: 700964856H1

<400> 14042

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accggtttgt tcaactcaaa tcgtgcaatc cttctttcaa gctcgcgatt tcctcttctg 120
gaattctcaa gatcttgata atggcaacca ctgcctgttt catcactggt agcagaaatg 180
acattcctac acatgaagct gaagttggag tagctgctaa aagggaagat gctgctcaac 240
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<210> 14043

<211> 247

<212> DNA

<213> Glycine max

<223> Clone ID: 700964858H1

<400> 14043

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gatccgtcgt cgctaaatct cttcaattcc atgcccattgt cacactcgtt gatccgaagg 120
aatattttga gattacatgg gcgagtttga ggtcaatggt tgagccatct tttgcagaga 180
ggtcagtgat caatcacaga gatcacttta ccaatggcga catcgttacg tccaatgccg 240
tcaatgt 247

<210> 14044

<211> 250

<212> DNA

<213> Glycine max

<223> Clone ID: 700964859H1

<400> 14044

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caaccatgga ggatccaaat caagctccag aagcgtcttc tcagaagaaa atgggaagag 120
ggaagattga aatcaaacgg atcgagaaca ccaccaatag gcaagtcacc ttctgcaagc 180
gccgcaacgg tttgctgaaa aaagcttatg aattatcagt tctgtgtgat gctgaagttg 240

cccttgttgt

250

<210> 14045
<211> 250
<212> DNA
<213> Glycine max

<223> Clone ID: 700964860H1

<400> 14045

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tatccatgaa aattaccaag ctgtctgcaa atgctttcat tcgtaagctt ctcaattcat 180

caaccagaac aatggtgctg cagctgcaac atgttctctg tgatccaaat tctgtcctaa 240

gttggttgga 250

<210> 14046
<211> 252
<212> DNA
<213> Glycine max

<223> Clone ID: 700964862H1

<400> 14046

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ttggacacct gaattccaca gaatatttgt tgatttatgc cttggagaaa tgctgaagaa 180

tgagcccggg tcaatgcgaa ttactaaggc tggttggagg aacattgttg gattctttta 240

tgcaagaca gg 252

<210> 14047
<211> 254
<212> DNA
<213> Glycine max

<223> Clone ID: 700964863H1

<400> 14047

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cgaggaaatg aaataattac tctaattttg taattcattg tttggttctg cttcacagga 60
 atggttagatt tgagggtgaaa aggttccaca ttggtcaggt tcagatctca caatggggaa 120
 gtcaccagga aaatggatca aaactgtact gtttgggaaa aagtcatcca aatcaaatac 180
 ttcaaaaggc agagagaagc ttgttaatca agaagaagga gttgtagtta cctccaaggt 240
 gctagaaac 249

<210> 14051
 <211> 246
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700964870H1

<400> 14051

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 ccgtcaatgc gtgtcacaat aaaaggacgt taccgggggc atctagtcca ttacaagtga 120
 agtatgcaga tggggacttg gaaagattag aacacaaact cttcattggc atgcttccaa 180
 agaatgtttc tgaagttgaa atatctgctc ttttctccaa gtatggaact ataaaggatt 240
 taaaaa 246

<210> 14052
 <211> 247
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700964872H1

<400> 14052

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 gagcaacagc cgcaggtgaa ttctcgggt ttaactcgggt accgatcggc gccgagttct 120
 tatttctcga acatcattga ccgcgagttc tacgagcagc tcttcaaccg tcctcagagt 180
 cccgaaacgg agcgagtgtt ctcacgcttc atgaacagct taaacagtga agaagaagat 240
 tcgctcc 247

<210> 14053
 <211> 249
 <212> DNA

<213> Glycine max

<223> Clone ID: 700964873H1

<400> 14053

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 accgtgttag caacagttgc tattgttgaa ggaagaacac agtcccctag actgattcct 180
 tgtttgacc aacatacctc tttttttgat ctgttactg cagtgccggt cgcagtcaca 240
 gcctacaca 249

<210> 14054

<211> 247

<212> DNA

<213> Glycine max

<223> Clone ID: 700964874H1

<400> 14054

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 caagatctgc gttgactgct cccagaagaa cccgcagtgg gcctccgtct cctacggcgt 120
 cttcatgtgc ctgcaatgct ccggcaagca ccgtggcctc ggcgccaca tctccttcgt 180
 ccgatcggtc accatggact cctgggtccga catccagatc aagaaaatgg aagccggcgg 240
 caacgac 247

<210> 14055

<211> 247

<212> DNA

<213> Glycine max

<223> Clone ID: 700964876H1

<400> 14055

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 catttctgcc tgggccattt gctgtggaga tgtcttcggc agtttacaag ggggtgggttt 120
 tcaactgatca agcccttcct gcggatctta tcaagagagg aatggcagtg gaggatccat 180
 cctctcccta tggccttcgc cttgtgacag atgactaccc ttatgctgtt gatggactag 240

agatatg

247

<210> 14056
<211> 241
<212> DNA
<213> Glycine max

<223> Clone ID: 700964843H1

<400> 14056

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tgaataccaa gacattggtt taccttgcca cacaaaaaac taccaccca ggcaaaataa 120
tagtaaaaaa aagagaaggc ttggagccaa gaaaataaac acaaagcaca agtcatggaa 180
agaataatgg ttggaagtgc aagaaagggtt gctttcaacc tggtggtcac tttcggcatt 240
g 241

<210> 14057
<211> 246
<212> DNA
<213> Glycine max

<223> Clone ID: 700964877H1

<400> 14057

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aattgtggat cttcgttcag acacagttac aaagccaact gaagcaatga gagctgctat 120
ggcaagtgct gaagttagtg acgatgttct aggctatgat ccaactgctt ttcgcttaga 180
aacagagatg gcaaagacaa tgggcaaaga agctgctctt tttgttccat ctggcactat 240
ggggaa 246

<210> 14058
<211> 251
<212> DNA
<213> Glycine max

<223> Clone ID: 700964878H1

<400> 14058

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agccaaattc caacatgaag gtttggttct tttgctttct tcttcttagc atgactgcaa 120
tcaaccatgg caaactagac gataaaaaata tacaaaaaga aatgcatggg ccgagcgagc 180
ataaaactttc cgatcagaat aatgacaaac ctggtgctgc caaccctac aatcgtggct 240
gctccataat a 251

<210> 14059
<211> 257
<212> DNA
<213> Glycine max

<223> Clone ID: 700964810H1

<400> 14059

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aacaaaatgg gggttcagaa gataaggggtg ggcaacccca tcgtcgaaat ggatggggat 120
gaaatgaccc gagtgatttg gaaactgata aaagataagc ttactttccc ttatttggag 180
ctggacatta agtactttga ccttggcctt cttcatcgcg atgccactaa tgatagagct 240
actactgaaa gcgctga 257

<210> 14060
<211> 258
<212> DNA
<213> Glycine max

<223> Clone ID: 700964811H1

<400> 14060

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tctttctact ttctgcattc tcctcctcac tcctaccttt aaccactgct caagattacg 120
ttctcgacac ggacgggtcac gcggttgaaa atcacgggtac atactatttg ctgccagcga 180
aatcaggaag cggcgggtggt ggaatagagg cagccgcaac tggcaaagaa agttgcgctc 240
tcactgtagt gcaatctc 258

<210> 14061
<211> 256
<212> DNA
<213> Glycine max

<223> Clone ID: 700964812H1

<400> 14061

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gagcatcctg ctcacattct tgcatattac tctcttgag ggcagagatc agattttcca 120
gacactgttg tgcctttgga cactgccaca tgcgttgata cctagaggcc agagctgtgt 180
acacatacca gttttctttt gtttttcttc tcccctttca tatgctgttt ctatgttcct 240
gctctatttg cagttc 256

<210> 14062

<211> 256

<212> DNA

<213> Glycine max

<223> Clone ID: 700964813H1

<400> 14062

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acagtgtatg gtgatcaaac tagtacaaca accaaagaac acttagagat caaccttggt 120
ggactctctg tggaaacaggc actgagtggg aacagatcgt tcacattaga tcaccatgat 180
gcattcatcg catatctgag gaagatcaat gacgttccca ctgcaaagtc tcatgccaca 240
acgaccatcc ttttct 256

<210> 14063

<211> 255

<212> DNA

<213> Glycine max

<223> Clone ID: 700964814H1

<400> 14063

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ggtaccaaga gaagaacacc ttgacaagct gtgaggagac gaggatggaa tcagtgattt 120
gccccaaacc tcgccgattg ggtctcataa accactcttc catcaacaca gaagtcagac 180
cctcgaggca ccccatcatc aggaaattct ctgttctttt ttctttttgg tttttcaagc 240
aaatcggtta caaaa 255

<210> 14064
 <211> 261
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700964815H1

<400> 14064

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 gagtttggga aacggcggaa gaggacagag actagagtct ccaccaaccc cagttcagtt 120
 cctgagagac ttcacacac caaacaagca atgcataatc tccaacgcca ttacgcactg 180
 gcccgactc tcttcttgga ccaacccttc ccacgtctcc caatccctct ccggcgccac 240
 cgtctccgtc cacctcacc c 261

<210> 14065
 <211> 254
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700964819H1

<400> 14065

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 gtaagctact ccaccacgta gaagcagatg gtgggtttgt aaaaacaaga ggagtgcagc 120
 ttatgctgaa tgggagtccc tactatgcta gtggcttcaa tgcctattgg cttatgcacc 180
 ttgcctctga tccttccac agaaacaaaa tctcatcggt atttcaacag gtttcaaattc 240
 atggactcaa catt 254

<210> 14066
 <211> 253
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700964820H1

<400> 14066

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gcaagttgtg cttagaagat taaaacatca tgcaagatga tggagattgc atttgctgc 180
 atttcaacac taggcaaagg ctgaggaaac cagtcttggt ttctctgggc tgtttgcat 240
 aaatacagtt aat 253

<210> 14067
 <211> 253
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700964821H1

<400> 14067

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 gatcggttac atgtttcgcg agcgcgtgcc gtctctctc gtgggcgtgg ccatcgccac 120
 cgcttcttc cagctctcc catctccatc cactgtggcg gctctcacg agtcgttctt 180
 tgagaccgac tcggctctgc agactcggcg ggtgctgttg gaagggtcga cggcgattca 240
 ggagaagacg gga 253

<210> 14068
 <211> 231
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700964823H1

<400> 14068

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 gggcacgggg gtcccagtc cgaacccgtc ggctgtcggt ggactgctcg agctgcttcc 120
 gcggcgagag cgggtcgtcg cgtgccggtc gggggacgga ttgggaacgg gcccttcggg 180
 gcctctaccc cgggcgtcga aactcaact cagaactggt acggacaagg g 231

<210> 14069
 <211> 256
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700964824H1

<400> 14069

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acaaggagtt gcaacaacaa gatcactcca tgttcaacat caagagcttc ctctggcatg 120
gaggetctgt ttgggacgca tggttcagct gtgcttcaaa tcaagtggct caagtgctgt 180
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tctatggaat cttggg 256

<210> 14070
<211> 254
<212> DNA
<213> Glycine max

<223> Clone ID: 700964825H1

<400> 14070

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tgcaatctcc aggcgtaccc aaaatttaaa tattattact ctacctggca gggttttattt 120
gatcaatttg catgcttcag tggattcttt attgttcttt ggcgattcat cctgtaaagc 180
ccttcataga tgcatagaat ttccgacata tatcttttta gaagcttagc taaattgtag 240
tgacattgag atga 254

<210> 14071
<211> 254
<212> DNA
<213> Glycine max

<223> Clone ID: 700964827H1

<400> 14071

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agcaacaaaa ctactgagag ggaattggac agggctaaac ggacccttct tatgagacat 120
gaagctgaaa ttaagtcaaa tgcctactgg ttaggattat tagctcattt acaagcttct 180
tctgttccaa ggaaggacat atcatgtatc aaggatctaa catttctaca tgaagttgcc 240
actactgagg atat 254

<210> 14072
<211> 162
<212> DNA

<213> Glycine max

<223> Clone ID: 700964829H1

<400> 14072

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agattggcgt gagcccattg tccgggttca gtgcttatcc gaaaactgcg aagattcaat 120
ccctgaaacg tacatcaagc cttctactga tagaccatcc at 162

<210> 14073

<211> 257

<212> DNA

<213> Glycine max

<223> Clone ID: 700964830H1

<400> 14073

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gacgaagaga aatggctcgc cgaggggatc gccggcattc agcacaacgc actctcactg 120
catcgcgagc tggacgataa caatctcaga gacgctctca aatactccgc gcagatgcta 180
tccgagcttc gaacttgcag gctctcacct cacaaatact accaacttta tatgagagcc 240
ttcgatgagc tcaggag 257

<210> 14074

<211> 262

<212> DNA

<213> Glycine max

<223> Clone ID: 700964831H1

<400> 14074

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tggtatcatct taatgggaag agtgcacatg gaaagaaagg cgagttggt gggaggaaaa 120
ttgcaaggga attgaatgat ttacaaaggg aaaatgagtc tgtcacagcc agcaataatc 180
ttactcataa atgcatcatt aactcagaaa ggaaaaatat cgatatgact gagatggctc 240
atctttgcgg taccaaacag cg 262

<210> 14075

<211> 261
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700964832H1

 <400> 14075

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 ccttggccta gtgcacccaa agaaggtttt caatttctac aacgagctcc atgctcactt 180
 agcttcttgt ggagtacatg tagtgaaggt tgatgtgcag aacattactg agacccttgg 240
 tgcgggacat ggtggccgag t 261

<210> 14076
 <211> 255
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700964833H1

 <400> 14076

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 tgagcagctg aagaatacat tccagattat gcaccacggg tatcagacgg aaacgttaat 180
 acggtttctc aaagctaggg actggagtgt tgccaaagcg cataaaacgt caattgattg 240
 tttgaactgg aggg 255

<210> 14077
 <211> 191
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700964834H1

 <400> 14077

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 ttcagaaaaa ggttacaaaaa ccagcacca agtccaccat ctcttccaat aatcggaaac 120
 ctccatcagc tgaagaaaca gccacttcac cgagccttgt acgacctctc acagaaatat 180

ggccctaata a

191

<210> 14078
<211> 177
<212> DNA
<213> Glycine max

<223> Clone ID: 700964835H1

<400> 14078

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atttcccagt agagtacgca aagccaaatc cacagggaac acgttcattc aattgcaatt 120

atccatatta attaataata attcacaaac tgtgctggc cagcactcca atacct 177

<210> 14079
<211> 251
<212> DNA
<213> Glycine max

<223> Clone ID: 700964837H1

<400> 14079

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ttattgcttt tgtattggag gcattctttg ccgaaatgga acttgagtca tcagaaactt 120

gtgaaggaaa tggcaaggaa gttgaaggag ataaatatcg aaagcgatct actggcacia 180

aaacacgaag ccagagggtt gatgctcttc ttcacatcat gctgagtgtc gaattgtgtc 240

aaaatgagcc t 251

<210> 14080
<211> 158
<212> DNA
<213> Glycine max

<223> Clone ID: 700964838H1

<400> 14080

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caacctccgc aagttcatgg gacatgaagc aaatcagaga gtttgattgg gaagtatggt 120

gtggaagctt ttgggagcac gccctctctg ctcatatt 158

<210> 14081
 <211> 251
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700964839H1

 <400> 14081

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 cattttcagc agcaaacactg tgctgatggg agcatgtgga tggagagtca gggtcagcaa 120
 cagagctatg cttccaaga agagtcttgg agccctgata acaactatgg ccacaaccac 180
 aagcaattcc caggcatgca catgaacatg aacaacaaca acaacaacaa aaggcttggg 240
 gcttttgctg c 251

<210> 14082
 <211> 253
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700964840H1

 <400> 14082

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 cattctttgc caccctcaat ctctgtcctt tggcgacctc catccatcca tgaacttctc 120
 cgacaacctc cttcgacatt ggagtaacac aataagatgg accagcaaaa ccacaacaac 180
 actccagatg gttcaggaga ggtgcctttg aagcgtaaac gtggtcgtcc acggaaatac 240
 ccaaagccag att 253

<210> 14083
 <211> 254
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700964841H1

 <400> 14083

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<400> 14086
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 gtggagtctt tggccattga tgatggaagc actggcagat tgggcaattg atttctttcc 180
 aaatatatttg gttcctttgg acaactatat ttcaagggga actgctcatt tccttacttg 240
 caaagaaccc gacta 255

<210> 14087
 <211> 255
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700964772H1

<400> 14087
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 gtctcgagat cttgtcagat cggaacgcaa ccgcaactgc caccgagatt gctttgtgtg 120
 ttatgggcag ggaagttact ggcatacagg ttatggaaaa gaagccaaat ggtgccatag 180
 cggtttcaaa tggcagttta agtgatagaa tgcgtgtttc tcccaaaatt gcagcaatgg 240
 ttcaagcaat ggatc 255

<210> 14088
 <211> 253
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700964773H1

<400> 14088
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 cttttttagt ttttggaactt catttgcaaa gtttaggact ttattctcaa gagcttttgg 120
 ctatggccac aaggttgtga agggtgactg cagtacttgg atctttgtgt ctttcaatgg 180
 gttggtcaca gttggttctt tcatattctt cctcttggtc ctttctctggg cttatctata 240
 cgcatctccc agt 253

<210> 14089

<211> 252
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700964777H1

 <400> 14089

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 aaagggtatc tctctactta atataaagtt ccattgtctc ttgaggcaat tttcaacctt 180
 agttgtgtgt tttggagagt ttttttgtgt tgttttgttg aggttgggtt tgtgagttag 240
 agaatggtgg gt 252

<210> 14090
 <211> 256
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700964779H1

 <400> 14090

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 gacaccaagc agcttccgct aacggcggtta agatagcaaa cggggccatg gcgaagcgctc 120
 ctgcacgctc tgctacgacg cctcggttcat gaaatggacc gtggcggatg ctgtccacgt 180
 ggcgacgcat cattggatgc cgtgcttatt cgcattaggg cttctcttct tcatggccgt 240
 ggaatacacg ctccctc 256

<210> 14091
 <211> 256
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700964781H1

 <400> 14091

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 tcgacaagaa tcttcagcaa atgaacaaag tgttaaaaat tttgctagta tatacacttt 120
 taacaatact aatgaatcga gttattgatt tttcaacctt aaaaagctat tttcagttga 180

cttaaagga aggggggtta attttggtta tttcttcatt taatcctgca tactcgtaa 240
ataattagat gtacta 256

<210> 14092
<211> 257
<212> DNA
<213> Glycine max

<223> Clone ID: 700964782H1

<400> 14092

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gaatacagag gcaccgacgt agcgacggtc aaggtccaca atccacaatc cgcaaccgaa 120
taaccacta cccacagatt tctctctctc tctctctgtt ggattggatc ctaatatctg 180
tgttccactt tcagaggttg ctctcttcatt cagcccttg ctctcttcaa atctattttc 240
ttctcttgct ctatcta 257

<210> 14093
<211> 257
<212> DNA
<213> Glycine max

<223> Clone ID: 700964783H1

<400> 14093

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tgattctact cagcaatcag ctttcagcaa tcagcaatca gcaatcagca tcattacttg 120
tccttgtagc catgtcaatt tgtgggtctgt ttcaaaaacc aatatgtctt actctcttct 180
tagtgtttct ctgatcttcc tgaagtaggt aattggcagt tttgttctat tctcccagtg 240
atttataatc aaaaagc 257

<210> 14094
<211> 253
<212> DNA
<213> Glycine max

<223> Clone ID: 700964785H1

<400> 14094

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 gattcactct cgcgctcgca gatcccaacc accatggatg gttacgacgc caccgtcagg 180
 ctcggcgcga tcaacctcaa gcacggtcgc gccgccgatt ttgactccgc ctcccccgac 240
 gtatccgtct cct 253

<210> 14095
 <211> 256
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700964786H1

<400> 14095

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 cgtgcggttc tcatattttg caaagtgaat ggaatagatt ttgaggagat caaagtcgat 120
 ttatccaaac gtcagcagtt atctcccgaa ttccgagcgg ttaacccttt aaggaaagtc 180
 cctgctattg ttgatggaag gttcaagcta ttgagagtc atgctattct catatatctt 240
 gcttctgcat ttccag 256

<210> 14096
 <211> 251
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700964787H1

<400> 14096

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 gccttcaatt ctcccttctg gactacaaat tctggtgctc ctgtttggaa caacaactcc 120
 tctttaaccg ttggagctag aggtccaatt ctgcttgagg attatcatct tgtggagaag 180
 cttgcaaact ttgacaggga acgtatccca gaacgtgttg tccatgccag gggagctagt 240
 gcaaagggtt t 251

<210> 14097
 <211> 250
 <212> DNA

<213> Glycine max

<223> Clone ID: 700964789H1

<400> 14097

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gtaggttttg ttagtaaaca aaagaaaagg aaacatgaag gacgcagatg tgtcaaggca 120
gatccagcag atgatcaggt tcatccgtca agaggctgaa gagaaagcta atgaaatatac 180
tgttgctgct gaagaggaat tcaatattga gaaactgcaa ttgcttgaag ctgaaaaaag 240
aaagatcagg 250

<210> 14098

<211> 251

<212> DNA

<213> Glycine max

<223> Clone ID: 700964790H1

<400> 14098

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gaactggcag aaaatgagag tggcggaacca cccgttaaga agcaaagtgc cggcgagttg 120
cgtcttcaca aagatataag cgagctgaat ctacaaaaat catgtaccat gcaattcccc 180
aatggcaaag atgacctgat gaactttgaa gtttcaattc gacctgatga tggatattac 240
ttaggtggca c 251

<210> 14099

<211> 251

<212> DNA

<213> Glycine max

<223> Clone ID: 700964792H1

<400> 14099

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ctttatatca ctgagagtga tagtgagagt ggtagctttt gtatccatga tatgaatatg 120
atgattattg atttgattat gcgtccagat tttcagttca ggtaggatca ctttgacagt 180
ttgacttgct cagcaccaat ttctggtatt actgttgtct gagttctcaa gagttctttc 240

acagaaggta g

251

<210> 14100
<211> 252
<212> DNA
<213> Glycine max

<223> Clone ID: 700964793H1

<400> 14100

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cagaaggtta tcgtaggaac gttggtatct gtctcatgaa caatcacaaa aagattttcg 120
cggcttcgag gctcgacatt cccaatgctt ggcaaagcc tcagggtggt attgatgaag 180
gtgaggatcc aagaaatgca gctatcaggg agttacgaga agagacagga gttaattcag 240
tagaagtgat cg 252

<210> 14101
<211> 248
<212> DNA
<213> Glycine max

<223> Clone ID: 700964795H1

<400> 14101

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ggaccagaca gagattggag agcgcggaat caacctaatg gggggtcaga agcagcgcat 120
acagcttgcc agggctgtgt atcaagactc tgatatatat cttcttgatg atgttttttag 180
tgctgttgat gcacacactg gcactgaaat attcaaggaa tgcgtgaggg gggctctgaa 240
aggcaaga 248

<210> 14102
<211> 259
<212> DNA
<213> Glycine max

<223> Clone ID: 700964796H1

<400> 14102

cttgcttccg tagttcatat ggcgtgtgtt caagtcacaa cagttattct ctttgcattg 60

gctctagcta aaatttacc ctcaacatgt caagtgggtc agggaaaagt ctctgcgtt 120
gactgcactc acaactatga cttatctgat attaagggtt cggtgaggtg tgatgggtgtg 180
aaaaaactgg ctttggtac tacagaaaat gatggctcct tcaagggtga tcttcccta 240
gaccacacaa aaccttctt 259

<210> 14103
<211> 261
<212> DNA
<213> Glycine max
<223> Clone ID: 700964801H1
<400> 14103

cgtagaaacg tgaaccagaa ccagaatgga tcttcaacaa cgaccactga aacttcactt 60
tattccttac ctgtcaccgg ggcattgat cctctctgc ggcattgcaa cactcttcgc 120
ctcacgcggg cagcacgtga cggtgatcac cacctcccta ctacgcccac atcctccgca 180
agtcaagccc ctccctccaa ctccacgtcg ttgactttcc cgccaaagat gtgggccttc 240
ccgacggcgt cgaaatcaag t 261

<210> 14104
<211> 248
<212> DNA
<213> Glycine max
<223> Clone ID: 700964802H1
<400> 14104

cagaagaaaa ctaccgtacc caagcctacc aacaaccaca ccctctctac atcatcctac 60
ctctgattag ctagggccac agcaccttcc tcttcacttc gttcttcagg actctacaaa 120
tgagcaacga caaggacaca cttcaacgtg gctgatctca ctatcgctct caacgaggac 180
aatacaccac accttggtcaa tgctctcaag agcaagatac agagcttggc tggacagcat 240
tctgatat 248

<210> 14105
<211> 250
<212> DNA
<213> Glycine max

<223> Clone ID: 700964804H1

<400> 14105

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gcaaccttct tgatatgttg agaagtgctt ctggagacaa tggaggagga tctagtagta 120
catcacacgc tgattggaaa ctaaaacagg ataataaga gtttcgtgtt atgtatcgtg 180
aaggaccaca gggaactccc attcatacat tgctagttga aggctatgta gatgggcctc 240
tagatctttc 250

<210> 14106

<211> 257

<212> DNA

<213> Glycine max

<223> Clone ID: 700964806H1

<400> 14106

gaaagagatc acatagcaga atggcttcta ctcaatgttt cttgcaccac catgctctta 60
ccaccctgc cagatcccca tcacaacgca tcatggttag caccaagcct aaccagcttg 120
tttgcaaggc acagaagcaa gaggatattg atgtcagccc aatctctcgc cggttagctc 180
taaccgtgct cattgggtgct gctgctgttg gtcctaaagt ccaacctgct gatgcagctt 240
atggggaagc tgccaat 257

<210> 14107

<211> 255

<212> DNA

<213> Glycine max

<223> Clone ID: 700964807H1

<400> 14107

caaacacatc acgcacgagc agcagctggc agatctgtct cggcagattc ttagggggct 60
ggcgtacctg caccggcggc acatcgctca caggacatc aagccgtcga atctgcttat 120
aaactcgcgg aagcaggtga agatcgctga ctccggggtg ggtcggatac tgaatcagac 180
gatggatccg tgcaattcgt cgggtggggac gatcgcttac atgagtcagg agaggatcaa 240
tacggacata aacga 255

gctcctgtgt ctggaatttc aagcatcgaa gatgagccaa gaagaggaat tgactccaac 180
aatggccact cattatcaga ttgtgaagag agcattgttt cctctccagt cattgaccat 240
ttacctcaac ctcaacctca aac 263

<210> 14111
<211> 258
<212> DNA
<213> Glycine max
<223> Clone ID: 700964729H1
<400> 14111

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gaagtctgtg gcagatcttt atagtagttg gtctgtgctg tttcttctat attttaggtg 120
cgtggcagag aagtggtttc ggaaagggag atagcatagc attggagatt actaagacta 180
acacagaatg taatatagtt ccaaatttaa gttttgattc ccaccatggt ggagaagtta 240
acgaatttga tgaagctg 258

<210> 14112
<211> 262
<212> DNA
<213> Glycine max
<223> Clone ID: 700964730H1
<400> 14112

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aggatgtgtc gctgggagcg aacaagttcc cggagagaca gccgattggg acggcggcgc 120
agagccaaga cgacggcaag gactaccagg agccggcgcc ggcgccactg gttgaccga 180
cggagtttac gtcattgtcc ttttacagag cagggatagc agagtttgtg gccacttttc 240
tgtttctata catcactgtc tt 262

<210> 14113
<211> 263
<212> DNA
<213> Glycine max
<223> Clone ID: 700964731H1

<400> 14113

ctctgcgaga gagaaagaga gaggcggtga tgtcttcaat tagattccta tggatcctga 60
 tgggtgtcttt gacggcatca tgcgcgttaa gccaaaccga gaagctatcg gcgtacgatg 120
 ttctgatgga gtacgggttc ccggtgggtc ttcttccaa gggagccata gggatttcgc 180
 tcaacagaga cagcggcgag ttcgcagtgt atttccaagg agcgtgcagc ttcgacatag 240
 agtcctacac gctcaagtac aaa 263

<210> 14114

<211> 266

<212> DNA

<213> Glycine max

<223> Clone ID: 700964733H1

<400> 14114

aaggggctg tggttcgtgt tggcttttca gtacgacggg agcgttgga ggagctcatt 60
 atctggccac tggtgagctc gtgagcctta gcgagcaaca gcttgtggat tgcgatcacg 120
 tgtgtgatcc agaagaatat ggagcgtgtg actcaggctg taatgggtggg ttgatgaaca 180
 acgcatttga gtacatactt cagtctgggg gagtacagaa agaaaaggac tatccataca 240
 ccgggagaga tggcacctgc aaattt 266

<210> 14115

<211> 264

<212> DNA

<213> Glycine max

<223> Clone ID: 700964735H1

<400> 14115

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 acacctgcag ctagctgatc aagataagat catttctgca attaaagaag caggaaatgt 120
 taagaagttc tatccatctg agtttggaat tgatgtggac cggactcatg cagttgaacc 180
 agccaagtct gcatttgcaa caaaggccaa agttcgccga gctattgagg ctgaaggaat 240
 tcccttcact tatgtgtcaa gcaa 264

<210> 14116

<211> 262
<212> DNA
<213> Glycine max

<223> Clone ID: 700964736H1

<400> 14116

ccacctccaa aaccgtaaca cacacaacat tctatactcc tttcaagctt attagccgca 60
gctaggggttt ccttctcact ctcccagga ttgagtaaca tctgttcatt gatcgtgatt 120
ggaagggttac aattcggttt atttgatggt tgcaacttcg taccagccgt tgaagtgact 180
gtgcatgtcc gtgaactgtt tttttcagaa attctattga aattcttaat gggaagaaca 240
gttttggcac gccaaaagga tg 262

<210> 14117
<211> 260
<212> DNA
<213> Glycine max

<223> Clone ID: 700964737H1

<400> 14117

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cggcaacacc ggcaccgccg cactcttccc tcaccgaacg agaacaaacc tccacgtggc 120
gcgcgcgaag aagccccctca acggcgacga cgtttccgtt tacgctgagc tcctcaaagc 180
cgaagtttcc gttttggaaa ataataagcc tctcgacgac aacgatgccg ctttgaagtt 240
cctagagaag atagaccgtc 260

<210> 14118
<211> 261
<212> DNA
<213> Glycine max

<223> Clone ID: 700964738H1

<400> 14118

atagactcta cagagagggtt tgcagaagta ttagcacaga gaataatgca gtggatcagt 60
taaaacaaat agttcatgca gatagacatt tggaatataa taaagctgag atgaagcatt 120
tagaaatggt caacatggta aatactcatc atgcaaccac tggttataag tgtttgaagt 180

tgaaatggag gaaatttggc cacttggctg gtcaagttgg tggagcaaaa ggtatatttt 240
gtgggttgtt tggacttgaa g 261

<210> 14119
<211> 260
<212> DNA
<213> Glycine max

<223> Clone ID: 700964739H1

<400> 14119

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ccttgaacgc gatcgtcgaa tgaaaatgaa aaagaaacga aaggaaagcg aggccagtgg 120
acggtcgaac ttgccgatg agatttcgaa gtcgcattac tcccttgagc ggcgttcgcy 180
gttgatcaaa cgggtgcaggg aagacggcgt cgtggcgacg gtgccgccgt cacgcggcgc 240
gtcgttattc ctaacgccgt 260

<210> 14120
<211> 258
<212> DNA
<213> Glycine max

<223> Clone ID: 700964740H1

<400> 14120

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aacccttctc gttttctctc tctaattgca gatcaggccg caccaaccgt tgcggttgtg 120
gattcgggtg ggggttcggag tcgccatggc ttccggttcg tcttcgtcct ccaagctatg 180
cttcaattct gactgcaaag aattgaagtc cgaaagacct aagaaagggt ggagactccg 240
cagcggagaa ctagcaga 258

<210> 14121
<211> 256
<212> DNA
<213> Glycine max

<223> Clone ID: 700964744H1

<400> 14121

cagtgggtgga ggctc

255

<210> 14127
<211> 259
<212> DNA
<213> Glycine max

<223> Clone ID: 700964756H1

<400> 14127

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ctccagaaca gcaagggaga atcaattcct catcgctgca attctcatct ttcactctct 120
agattctcat ctatctttct tccaacctct tctcttctat acccttcaga aaaaaataaa 180
atagaaacca tagcttcaga ttattctagc tcttcatttt ttttccttgt tcaatattat 240
gctgtaaaat tctcaaact 259

<210> 14128
<211> 255
<212> DNA
<213> Glycine max

<223> Clone ID: 700964758H1

<400> 14128

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attctcgaa tcgaagagaa gaataatcct gtgagcgagg acacttgta gaaagtgggt 120
gaaaatctag cctcgtcttc tcctctcaag gatttggtct atacctgtt aaggccattt 180
taaaatgcaa tgtcaatgga aacgttttca aggaaatgcc aactcttggt gcagatgggtc 240
atgatgcact cactg 255

<210> 14129
<211> 256
<212> DNA
<213> Glycine max

<223> Clone ID: 700964760H1

<400> 14129

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gactcttgca ggcagaggag gaagcgctta tggtgcagca gtagtggcg agcgaaaatc 120
 ctcgagaatt tgatagtaga gtacggcccc acgttagtca agtccgcatg tatgaggatg 180
 caacgcggca ggaggctgct cggaagtccg ttcctatgga agagctcgag gagaaagctt 240
 tgggtctcttt ggccaa 256

<210> 14130
 <211> 259
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700964762H1
 <400> 14130

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 ccctgccatg gtcattgggag cctttggcca cttcgaaccg gtctccaaat gcagcaccga 120
 gaaccggtct aaccaaaccg tggcctcgga cttggacggc accctctctg tgtccccag 180
 cgcatttctt tactacatgc tggtcgccaat cgaagcggc agcttctctc gtggccttgt 240
 cctccttgcc tccgtccct 259

<210> 14131
 <211> 262
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700964763H1
 <400> 14131

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 aatatctttg aattgaagaa aacttgaaat cgaattgtga aacagaaaat aaaccaaagg 120
 aaatttttac tgattgaatt gcagagattg gaaaaatggc gttgagtatg actcaacaga 180
 tcgggacctt agctggtgcg acggtgccgg attcctcggc cggagaatcg accgcggcgg 240
 tgagtgccgc cgcggtgtgg aa 262

<210> 14132
 <211> 233
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<223> Clone ID: 700964765H1

<400> 14132

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aatggcttgg acctagtgcg gaaataaagg ttcaatatcc aagcagtggg gagctcacac 120
aggccaagga ttcaagcccg aatcaggctg ggctatatga tcttgtggca attanagatg 180
gcgatcaagg accagttaca tccacaatgg actcagttct ctctttggat gat 233

<210> 14133
<211> 260
<212> DNA
<213> Glycine max

<223> Clone ID: 700964767H1

<400> 14133

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gcgaacaagt tcccggagag acagccgatt gggacggcgg cgcagagcca agacgacggc 120
aaggactacc aggagccggc gccggcgcca ctggttgacc cgacggagtt tacgtcatgg 180
tcctttttaca gagcagggat agcagagttt gtggccactt ttctgtttct atacatcact 240
gtcttaaccg tcatgggagt 260

<210> 14134
<211> 262
<212> DNA
<213> Glycine max

<223> Clone ID: 700964724H1

<400> 14134

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aggcatattc aagctgtgac ctttttcttc taagaacctc cagagagctt gaaggagact 120
ggttgatta tcttgctggg aattacaagg ttctgtggg tccagttggg ttgcttcac 180
catccatgca gataagggac gttgaagagg aagacaataa ccctgattgg gtcagaatca 240
aggatcgggt agacacacaa ga 262

[illegible]

<400> 14135

<210>	14136
<211>	252
<212>	DNA
<213>	Glycine max

<400>	14136
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<210>	14137
<211>	253
<212>	DNA
<213>	Glycine max

<400>	14137
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6431

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 ccccataatg cgt 253

<210> 14138
 <211> 260
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700964695H1

<400> 14138

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 agatcggcaa tggcggagac cgagacgttt gctttccagg ctgagatcaa ccagctcttc 120
 agtctcatca tcaacacctt ctactccaac aaggaaatct tccttcgtga actcatcagc 180
 aacgcctctg atgcttttga caagattaga tttgagagtt tgacggacaa gagcaagctc 240
 gatgctcagc cagagttggt 260

<210> 14139
 <211> 259
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700964696H1

<400> 14139

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<223> Clone ID: 700964702H1

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266

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caaagttctc tcatcaatat catgtctcct tcatcaaacac cacctcccac ataccatct 180

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atcttcttgg gcaatagcag tgtttgtttg ttctctatat catacatttg acttcatttg 180
tactaggaag aagaattgag aaaaggggaa ttggaagcag atgcagatag gatgatgaga 240
gagtacagag ctcaactag 259

<210> 14173
<211> 261
<212> DNA
<213> Glycine max

<223> Clone ID: 700964674H1

<400> 14173

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tcacctctct tgttctcggt cccccacccc actccctcat ttctcttctt ctacccccat 120
ttttctctaa ccaccctca cacacttcac ttacacatag agagagagaa agttcggtgc 180
ttttgtatag aatcatcacc ccattaccct gcattcacca ttcatgcat tgattctatc 240
tgggatctct ctcaaaagaa a 261

<210> 14174
<211> 258
<212> DNA
<213> Glycine max

<223> Clone ID: 700964675H1

<400> 14174

ttttctcttt tcgcagctca aactcaaate cccatctatt ctctctccgt acttgatgtc 60
agttttgttc tcaatcattc gatctactct tagactgggc aggacagtag cacataatct 120
tcttctataa catcgaccgg ggtcgtcttc tcgataaatg ctacctctgc gtccacaatc 180
acaggttgga gcacaaaaaa catcgtgtgc tcttgtttcc tcagactccc tctgtctcc 240
tgatgaacct aggtcaaa 258

<210> 14175
<211> 258
<212> DNA
<213> Glycine max

<223> Clone ID: 700964676H1

<400> 14175
 ggagaagaag aaggggtgagc taaagtcaat tttccttctt ttcctttcca ctagtcacat 60
 aatccccgcta gtggacatgg ccagactctt cgccttgac gacgtcgacg tcaccatcat 120
 caccaccgca cataacgcca ccgttttcca aaagtccatc gatttagatg cgagtcgcgg 180
 tcgccccatc agaacgcacg ttgtcaactt ccccgccgca caagtgggtc tccccgttgg 240
 gatcgaagcc ttcaacgt 258

<210> 14176
 <211> 240
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700964677H1

<400> 14176
 cacaaataat gatattagtc ctgctgttat accttcttcg gtgagcattt tggaagcccg 60
 gagttgtcga atatgtggaa cgcaagttga agctggatct tgtgatcctt ctgcggtggc 120
 tgtaggatcg atattgggct ccgtatctaa tcttcgtaaa gatttatcgc tcctttcagc 180
 tcctctctaaa actggaagga gtgtgcaatg ggactctgac atgtcatcac tgccgtgtgg 240

<210> 14177
 <211> 257
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700964678H1

<400> 14177
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 agattctcaa ttcgttattg tttttgggtc acttggttca tattcaagcc caattttggt 120
 gtctcactta ttggttttcc aattggagtg attaaaaagt tgattttggg aaatgggtat 180
 gtgaagtttg gttttttgat ttctgggtct tgaaattgag gtaaaaaagt tgtcaaattg 240
 gagagaaaat tcgggggt 257

<210> 14178
 <211> 262
 <212> DNA

<213> Glycine max

<223> Clone ID: 700964679H1

<400> 14178

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aattccatga cttgatagtt gatacttatt gatcaccagt ctgctgacta agaaatgccc 120
tggaacgcct ttttgtaaag ccacatcatt accaaaaacc ttctctcaa cctctctgaa 180
ctttacacag gaagttcttt tccaagccat tttttcttga ttgggttaac taaatttcaa 240
ataaaaatga taattcctac aa 262

<210> 14179

<211> 264

<212> DNA

<213> Glycine max

<223> Clone ID: 700964680H1

<400> 14179

ctcgagccgc tcgagccgta ccaatcacta cataaactct tcatacttca caacacaaca 60
caacacacac aaatcttctt tcaagggttt tttttttttt tttaaaaaat ttctcatcgt 120
atctgaaaca acgaatgatc catggcccct tcattcgaca caagtctca tacggtatgc 180
gtaatggatg cttcggggcca cttggggtta agcctggtcc aaagactcct ccaaaggggc 240
tacaccgttc atgcctccgt tcaa 264

<210> 14180

<211> 282

<212> DNA

<213> Glycine max

<223> Clone ID: 700964681H1

<400> 14180

gctcaggttc ggctctgagg ctttaattgg tataggcgtg ccaaggtctt gttaattttg 60
agcgtaaagt gctgcaacta atcagatccc aagaccttgg cctaccttgc catacagaaa 120
aaaaaaaaagc aaaaaataaaa gccaaaggttt ggagccaaca aaaataaaca caaagcacaa 180
gtcatgcaaa gaataatggg tggaagtgc ccaaaggttg ctttcaccct cttggccact 240

ttcgccattg tcattccatg ccttgaggct ggcattgctg ag

282

<210> 14181
<211> 258
<212> DNA
<213> Glycine max

<223> Clone ID: 700964683H1

<400> 14181

gaaagggatga gagagaaaga agaaggaaag gaaagatgga tggttctggg cagcagcagt 60

tccagctcac ccgcttaggt cggatctatt ttctgccact cttcactttc ctccttcggt 120

ttcgtcagaa gccacttgga actccaacac ctttccatca tccaagtaa cacacaacac 180

aacacaacac aacacaacac agcaacacca acttcctctt tctttctttt ctcaaacaca 240

taaaaccata actagtcc 258

<210> 14182
<211> 99
<212> DNA
<213> Glycine max

<223> Clone ID: 700964684H1

<400> 14182

gcagagcaaa gcagcagtaa tgaagcgatt attgattagt acaaagcaca agagaaaaac 60

aagggatctt ggggggcccc tcaccacccc tggggcttt 99

<210> 14183
<211> 262
<212> DNA
<213> Glycine max

<223> Clone ID: 700964656H1

<400> 14183

ctggatattt tgtgggctaa aagttgcgag gggttgcaat gggtaaaatc agtagagcgt 60

gaagaaaaag tgggtcaat agtatgttca aatgtatatc acttcagtgt caatggttgc 120

aacctgtatg atgatttttt ttcaacaggt ttcgtgcagc ttgatcatgt gaaaacttta 180

agcctaaggg acaataattt cacattcctt cctgatagca ttcgagaatt gcaattttta 240

agaaaacttg atgtgagtgg tt

262

<210> 14184
<211> 270
<212> DNA
<213> Glycine max

<223> Clone ID: 700964622H1

<400> 14184

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aaaaggcagg gtcattctca gcttctctca ctttgatgca acctttaaat tagtccaatt 120
tcaattattc aaagacagtc ccacccactt cccatctttc tctcttcttt tctgtgcagt 180
tgaggaaaaa aaactatgct ccaatccaac aacaagcaaa gaagcttctc ctcacttttc 240
ttctttatct tttctctcta agccttttgt 270

<210> 14185
<211> 270
<212> DNA
<213> Glycine max

<223> Clone ID: 700964623H1

<400> 14185

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gtatctcaat tgggggtgtga catttatgac ggaagtttga tcctccgcca agctaccctt 120
tcttgtacca aggtatatat attgaaaaaa tcaatctaca taaaatgtaa tatatcatta 180
ttttactcct ccaaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaagaa 240
aaaaaaaaaa aaaaaaaggg gggggccccc 270

<210> 14186
<211> 269
<212> DNA
<213> Glycine max

<223> Clone ID: 700964624H1

<400> 14186

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atggactaaa aacgagctta gagagtggaa gccctgtgcc aacgcaagtc ttcttgaaac 120
 agaattgccca aagtcaaattg gggttccttat aattgaagca aatgggtggat tgaatcagca 180
 acgcttgctg atatgtgatg cagttgctgt ggctggacta ctaaatagcaa ctcttcttat 240
 tcctatatatt catttaaata gtgtatggc 269

<210> 14187
 <211> 267
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700964625H1

<400> 14187
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 ttttcaattc agatggacag attgagaatc gggtggatgt gtcttcaatt caagactttt 120
 cagtggagct tatttcaagt tcaaggaaag acaaaacaca aagttocatt gggttctttc 180
 agcgttcacg taatgccata atgggggcag cagatgctgt tcgtcgagtt gcagcaaagg 240
 gaggcttttg ggatgataac cggagaa 267

<210> 14188
 <211> 265
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700964626H1

<400> 14188
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 gcttgaagtg atgttcggat aaaaggttta ggtagtggcc aaccttaaca aatcaaaaga 120
 agttagcaat tgataaaaaa aactcacaga tgcattcatca acttgctcta cctaccacct 180
 tattttcggc cttgtgagga acaaaggtc taaataaata gccttgata acgactctaa 240
 ttaactcacc ctttttgtca aaact 265

<210> 14189
 <211> 263
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700964628H1

<400> 14189

cttgaaagcg agaacaccct tgtttgtttt agctcctaag ttggaagctt gtagattgat 60
tttcaactgcc aagcaaaaga aagtgaggga atctaaccct taattgaaca caatgagttc 120
attttacatg tctctgaacc cttcaatttc tcaatcgtgt tacaaaccca agcaattttt 180
caatttgag agagagagta ctttggtggg aagaagtcct gttattcaga ttagatgccg 240
gagggttgtg agtgcgtgtc tta 263

<210> 14190

<211> 267

<212> DNA

<213> Glycine max

<223> Clone ID: 700964629H1

<400> 14190

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atgctcagat ctctccactc cgccgccacc cgcggcgctt ctcatctctt ccgccgtggg 120
tacgcctccg agccggtgcc ggagcgcaag gtagccgttc tcggcgccgc cggcgaggat 180
cgggcagcct ctctcccttc tcatgaagct caatcccctc gtttcgagcc tctcccttta 240
cgatatcgcc ggaactcccg gcgtcgc 267

<210> 14191

<211> 266

<212> DNA

<213> Glycine max

<223> Clone ID: 700964630H1

<400> 14191

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acttgaaat aagtcagctc ttactggtgg cagtgggaag gttgtggata gtggcccaa 120
tgatcatata tttatatact actctgatca tggcgggccg ggagtgctag ggatgcctac 180
taatccatac atgtatgcat ccgatctgat tgaagtcttg aagaagaagc atgcttctgg 240
aacttataaa agcctagtat tttatc 266

<210> 14192
<211> 270
<212> DNA
<213> Glycine max

<223> Clone ID: 700964631H1

<400> 14192

gacgagtttc atgcttacgt gcatggaagg ttaccatagc agaaactgaa gcctgatcca 60
gtattaagga accttctgct ttccatgcct cagcgtaaaa taatattcac caatgcagat 120
catgcacatg cagttaaagt tctcaacaga ttgggtttgg aagattgttt tgagggcatc 180
atatgctttg aaacgcttaa tcttcccaaa caaatcaatt gcatggatgt accaaatgat 240
aatcatgtgc tcacagattt aacagaaaaat 270

<210> 14193
<211> 272
<212> DNA
<213> Glycine max

<223> Clone ID: 700964632H1

<400> 14193

gctcatcaca gccgatctta catcaattat tgttcaattg atctctactg ctggtagtct 60
tctccctctt gttaggcaca ccttcacaaa cgcaaattccc ttgggtggcc agcttgacca 120
gcttcatggg attaacctcc cttttgaatc agaaccaagt agtgggtatta ggccacaaaa 180
taacagtgga aataaactgt ttgatcagtc cattcagaat gatctaccaa ataaattgga 240
aatggagcaa aactacaata tggaagagca tg 272

<210> 14194
<211> 274
<212> DNA
<213> Glycine max

<223> Clone ID: 700964633H1

<400> 14194

ggcctagcca gctagcgctt cttctctcgc attcogtgga gatctagtgc tgccaaacct 60
cgctgaaaat tagggtttcg tttcggaggt agacgaagat gttcggaagg gcaccgaaga 120

aaagcgacag caccaggtac tacgaaatcc tcggcggtttc gaagaacgct tcgccgggatg 180
 atttaaagaa ggcttacaag aaagccgcca ttaagaacca ccctgacaaa ggcggtgatc 240
 ctgagaagtt caaagagctt gctcaagcct atga 274

<210> 14195
 <211> 264
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700964635H1

<400> 14195

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 atctggccac tggcgagctc gtgagcctta gcgagcaaca gcttgtggat tgcgatcacg 120
 tgtgtgatcc agaagaatat ggagcgtgtg actcagactg tcatgggtggg ttgattaaca 180
 acgcatttga gtacatactt cagtctgtgg gagtacagaa agatgaggac tatccataca 240
 ccggggagaga tggcacctgc aaat 264

<210> 14196
 <211> 261
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700964637H1

<400> 14196

cagctatcta gcttgtttctc ttttattttt tttcggttca ccggcggcat ggggaactgc 60
 aacgcctgcg ttcgagtcga tgacgtggca gactcaaacc gcggcaaaaa gaataagaaa 120
 accaaaccga acccctacgc ggaggaagag atacgctccg gcgttccgat ccgtgtgctg 180
 aaggacgtga cgtcacggag cctcatcggc gacaagtacg tgataggccg ggagctaggt 240
 cgtggcgagt tctggataac g 261

<210> 14197
 <211> 264
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700964639H1

<211> 267
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700964648H1

<400> 14200

gagaaagata gagagaataa cagcacctct ttctctctgt ctctctcccc tcgttgatcc 60
 caaatctact agggattctc attcgatgcg attcggccgg aagctttcgt tttgcggatt 120
 tttttaatta ttatTTTTcc tggctatcag gaaagttgaa aaaaagatgg accatgacaa 180
 gactggatgc caagctcccc cagaagggtcc tatattgtgc atcaacaact gcggattttt 240
 tggaagtgca gctaccttga gcatgtg 267

<210> 14201
 <211> 273
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700964649H1

<400> 14201

gaagcaggaa caagcagcaa tggcgccgaa tgtacacacg caaggttagc agaaacccccg 60
 aattgataag gggaattgga aagtactcga ggtcgcagat gtaccacaag aggggcattt 120
 gggctatcaa ggccaaaaat ggtggcgttt tacctcgcca cgaccctaga cccaaacctg 180
 aaacacccgc tgaaaaacca cccaaatttt accctgctga tgatatcaag aagccccttg 240
 tcaacaagca cacacccaaa cccgctaagc tca 273

<210> 14202
 <211> 265
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700964650H1

<400> 14202

caacctcgat gctcgccaat cctctctcct cgctctcctc aacctcgctg ttcgcaacga 60
 acgaaacaag gtcaaaatag tgacagatgg tgctatgcct cactgggtgg agctcctcaa 120
 gatgcaaaat agcgggtatac gagaattagc tacagctgca atcttgacac tctcagctgc 180

cacatccaac aagcccatta ttgctgcttc tggagccgga cctctccttg ttcaaattct 240
 caaatctgga agtgttcaag gaaaa 265

<210> 14203
 <211> 262
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700964651H1
 <400> 14203

gaggacttcg acatgccgac ggccggaggca atgggagagg acttcgactt cgccggcgcc 60
 accggcgggcg acctcgacgg cagcagcagc aaccccatct tgaaggctcg cgaggagaag 120
 gagattggaa aagagggttt gaagaagaca ctacttaaag aagggtgaagg atgggacact 180
 cctgaagttg gtgacgaagt tcaagttcac tatactggga cgttgcttga tggcactaag 240
 tttgattcca gcagagatag gg 262

<210> 14204
 <211> 167
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700964653H1
 <400> 14204

ccataatcat ttagctatta agagaatatg tttttaatga ccaaattgtc ctcaacctca 60
 aatatacttc ctctcttca tactgcaaac acaaccaact tcttcaacca caaccacaac 120
 cactttgtgc attaaaaccc ccacccctct cagttccaca caacata 167

<210> 14205
 <211> 263
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700964654H1
 <400> 14205

cggcaactca caaaattgga ggtaaaggag atagcagaca taatgttgaa tgaggtgttt 60
 gatagactga aagccaagga aattgatctc tcagtaacag aaagatttag ggagaggggtg 120

gttgacgaag gatataatcc gagttatggg gctaggcctc taagaagagc tataatgcga 180
 cttttggagg acagcatggc tgagaagatg cttgctagag agattaaaga gggtgactca 240
 gttatagttg atgctgactc cga 263

<210> 14206
 <211> 262
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700964655H1

<400> 14206

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 cttcactagc ctcttctgca ttctgtgcct ttccacggag gccagtggat gttccattcg 120
 gcagaaacta cggtccact tgggcttttg atcacatcaa atacttcaat ggaggttctg 180
 agattcaact tcatcttgac aagtacactg gtactggctt ccagtcctaaa gggtcatact 240
 tgtttggtca cttcagcatg aa 262

<210> 14207
 <211> 268
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700964621H1

<400> 14207

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 ccgnttcttc tctcggatt ccccgctaaa ctacagccgc ccaccatgga actccaccat 120
 gataaccgca aacttgctgc tgaagtcgac ttcttctctc atactccgcc acccaacctc 180
 gtcaagaagg aacttgatca aacacctctt cacattaata ctggtttaca actccttact 240
 gctaacacca ggagtgacca atctaccg 268

<210> 14208
 <211> 235
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700964584H1

<400> 14208
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 gaagaaaaat ctgcacaatt gttgtaattg aacgatgtct gctgcggtgt gcggaagcaa 120
 gagatctttg ttcgaagagc ttcccccttc cccgccagta tccaagaggc tccgctgttc 180
 ctctccccct attcgctctt ctctcccttc tctcatcgag caccttcgcc ctctc 235

<210> 14209
 <211> 234
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700964586H1

<400> 14209
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 gtgttgggca cgggtctcaa ggagtgcatt ctccagcggtc ttctctccgt cgatggcctc 120
 aaggttctgc acatggacag gaatgactat tacggaggag aatccacttc gctcaatctt 180
 attcagcttt ggaagagatt caggggagat gacaagcctc ctccacattt ggga 234

<210> 14210
 <211> 222
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700964587H1

<400> 14210
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 cgatctccgg caatctaact aaaacggcgg cgtatagcga gaactgagag catggagcat 120
 gagaacgcga gcaagggggg cgaattagtg aacgagatag ccagcatctc cgagtacagg 180
 cctccgatta gaaatcagta ctgcaacttg gcgcggaggc tg 222

<210> 14211
 <211> 232
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700964589H1

<400> 14211
 ctgttctcgc gatttcggaa gggtcgtgtt tccctgcttc agtttcagct tcggcttcga 60
 gaagcgtcga ttgggtcctt aagctgttcc ttctctgttt ctgacaaact gtataactcc 120
 tatcaaacat gagcggtcgc ttttctcgca caatttatgt cggcaacctg ccctctgata 180
 taagagagtc agaaattgaa gatctattct acaagtatgg ccgtataatg ga 232

<210> 14212
 <211> 237
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700964591H1

<400> 14212
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 ctagcacagc acctaattct aacccttttg cgcaaaagag ttcacctttt tcttctggat 120
 ttggaacttc ggctgctcct gccttcagtt catcagcttt tggttcttca acgtcagcag 180
 cagcaccttc tctttttggc tcacgcgcat ctccatttgg agctaactct tcttcaa 237

<210> 14213
 <211> 201
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700964592H1

<400> 14213
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 ccttgagtcg ctcccgcact aggtgcacca gatctctgac ccgtcttttg gtcccaccct 120
 gctctgacta ggtgatcaag ctacgctcgg tccagcatca aaccggggtc cagtacagga 180
 cgctgttcag ggccttcgtc g 201

<210> 14214
 <211> 240
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700964593H1

<400> 14214

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 atttgaaagg aaaattctgg gggcggttcta tccagttaga tcctgtgggt gtcctcactc 120
 tacagtttga ggatggtgca acatttcagt ggagcaaggt caccacttcg atttacaata 180
 tcatactagg taaaatttat tgtgaccact acggtacat gcacatcaag ggcagtggca 240

<210> 14215

<211> 248

<212> DNA

<213> Glycine max

<223> Clone ID: 700964595H1

<400> 14215

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 ctctgcttct tctcccccta ttgacctttg gtcacacaa gcgaaaaccc acttctggat 120
 cttctggtgt aaaggccatt agaagctcta gaaattttct aattgagttg gtgtatagtg 180
 ttgaaggggg tgaaatctgg agcccagttt gttagttgtt actcacttca tctgtaagct 240
 cataggtt 248

<210> 14216

<211> 251

<212> DNA

<213> Glycine max

<223> Clone ID: 700964596H1

<400> 14216

ctgcttcatt gcattattgc agataagatc aaccctactc ccttcagatt cgggccaaga 60
 tggcatcact tcatgctaata gtgacatcag ttgtttgcaa gaggggcaac catgcttctc 120
 aatcgaaatt tccaagctct tcattcttgc ctggggttga tgttggttgg cgtgcttcaa 180
 atgcttgga gaaagaactt gtcccatctt ccatttcctt ggtgcctaga gccacactaa 240
 catttgatcc c 251

<210> 14217

<211> 278

<212> DNA
 <213> Glycine max
 <223> Clone ID: 700964601H1
 <400> 14217
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 ttgcttcgag cttcggcgga gatgttaggg aagggtagtt tagggacggt ttatagggcg 120
 gtgcttgatg atgggtgcac ggtggcgggtg aagaggctca aggatgcgaa cccttgcgcg 180
 aggcattgagt ttgagcagta catggatgtg attgggaagc ttaagcatcc taatgtttgtg 240
 agactcaaag cttattacta tgccaaggag gaaaagct 278

<210> 14218
 <211> 260
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700964602H1
 <400> 14218
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 tgcataaata ccttgacact attttcgcag atccagcaaa tgatcccatg gtccttgtga 120
 ctgtggctcc aaaacattat ttattcaatt ctaaacaatcc agatatgaaa catatgcatg 180
 gtgaaaattg gaacaacact gtacttgtag atggtaatgc tggtgccaag ttccaagtag 240
 gaatagcaac gttccaagt 260

<210> 14219
 <211> 264
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700964603H1
 <400> 14219
 atctatcgag acggtttaac acttagcatc tgctgagggt accttggtag acaccacact 60
 acccataata tggtcgaaaa caacaacca aggggtttttg gttcttctat gtttctatgt 120
 ttgcttgtgt tgatgatttg gaacaagatt gttgttggtg ttccacaagc cgaggctcga 180
 gcattttttg tttttggtga ttcgctagtt gacaatggca acaataacta cctattcacc 240

actgctcgtg ccgactcata tcct

264

<210> 14220
<211> 273
<212> DNA
<213> Glycine max

<223> Clone ID: 700964604H1

<400> 14220

caagaaccct aatcccaatc agccatgcag caaggagact acacctccgc tccatctcca 60
tattatcaat tccctcatct ccaaaacccc aatcccaatc ccaatcccaa tcccgatcca 120
cacccaaaca acccttacgc ttctgcacct cccttcaccc ccaattacgc tccctccgat 180
tacaccctt acccttccta ccctcaaaat cccgatcctt ctccaccac tgctccttcc 240
tttcctccct cttcttccaa ccctaattta ccc 273

<210> 14221
<211> 270
<212> DNA
<213> Glycine max

<223> Clone ID: 700964605H1

<400> 14221

gttgctttca gctaactgat agttgtgtgc aattatttga attcaagaat gtctcaaccc 60
gactcgttgg tggctgagat tgagggtgaaa acctctgctg atcactttta cgacaccttg 120
aagggtgaaga aacagcatcg tattcatgat gttgcccctc atcatatcca taagggtggaa 180
gttcatgaag gtgagtggga taaatctggc aatatcaagg tgcttacatt cgctgatggg 240
gacactgttg agaccttaaa ggagagagtt 270

<210> 14222
<211> 272
<212> DNA
<213> Glycine max

<223> Clone ID: 700964606H1

<400> 14222

tggctatgct gggggaggac ggctcgcggt acgaactggc acggaagctt gacacgtgcg 60

gcgtgtggcg aacctggctc ggcgacgcca cctacgcaa cttegcaccc ttcctctctt 120
 ccccttccgc ctgggactcc ttcacctcca ccactcacat ccctctccaa ctgagagtcc 180
 gcgccctcct cttegacaaa gccaccgctt ccctctcccc aaaccctaata ccctctctct 240
 ctatccaacg cctcaaccct agttacctcc aa 272

<210> 14223
 <211> 271
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700964607H1

<400> 14223

acggacttta gttccatccc cataattgat attagtcccc ttttggctaa ggcagatgat 60
 ccaaaaatgg ctgaggatcc tgggtgtgctt gaggttggtta aacaattgga taaggcttgt 120
 acagaggcag ggttcttcta cgtgaaagga catggttttc ctgagactct ccttaaagaa 180
 gttagagatg taacgcgcag attctttgaa ctttcatatg aagaaaaggc gaagatcaaa 240
 atgactccag ctgctggggtt cagaggttat c 271

<210> 14224
 <211> 268
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700964610H1

<400> 14224

ggtaaatagt agtagggaat acgcatgccc ttggttcctc tacaaaatca aaagggttta 60
 tctgagaaac ctagacagta gacacggcag atgttgctct tggctctctc cacaaccacg 120
 gatattccaa aaccaggtta cctgtctttg tggcaatagg ttaacttcag tgttggtatg 180
 ccaaactctga caacgttcac tgaaatctgt gagtgaataa atgggttccta attttctcat 240
 tgcaagggtta actgcatcat tatcatcg 268

<210> 14225
 <211> 266
 <212> DNA
 <213> Glycine max

<210> 14228
 <211> 282
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700964616H1

<400> 14228

tcggctcgag aacagaatct actctctttt tttctacctt agattccttc tccaacaatg 60
 gctctcgccg tttccactac ttcttctctt tcagcagctg ctgcagcttc tagctccttc 120
 ttctctcgtc tcggatcttc ctccgacgca aaagctcctc aaatcgggtc gtttcgggtt 180
 ccggagaggt cgcttggttc gtctgttggt gtcaatgtaa ctcaacgacg ctcttggtg 240
 aggccactca acgccgaacc gcaacggaac gattctattg tt 282

<210> 14229
 <211> 269
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700964618H1

<400> 14229

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 gtttcttctt tctctccttc ttctttttca gatctccgt gaggaatcct cggagaagga 120
 gttcgtactc acattggatc actctaactt tcacgacact gtcagcaagc acgatttcat 180
 cctcgtcgat tcctacgccc catggtgtgg tcaactgtaag aagcttgctc cggagtatga 240
 gaaagctgct tctatcttga gtagtcatg 269

<210> 14230
 <211> 265
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700964619H1

<400> 14230

gaggaattca tttgaattag gggtactctt tttcttcgtt tcatcatgga cgctcagaga 60
 gctctactcg acgaactcat ggggtgcagcg cgcaacttga cggaggaaga gaggaagggg 120

tacaaggaag tgagttggga cgataaggaa gtgtgtggat tctacatggt gcgcttttgc 180
 cctcacgatac tctttgtcaa cacgcgcagt gatctcggac cttgccccag aatacatgac 240
 ccgaagttga aagaaagttt tgaga 265

<210> 14231
 <211> 264
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700964620H1
 <400> 14231

ccgatggccg catgtatatac ttccgttgct gtttttcagt ggagtagatt atattgatgc 60
 tcctacacca tatatgatgg gactctattc ggggtgttgat acttctgctc tggcaattga 120
 tgggggttgtt gttgtggacc ttgagtataa tcgtatcact acctcagagg aaattcctcc 180
 tattcctgag ccagaattca gccttttgcg tggtagata atgaagctat tatatcccaa 240
 tgtaattgga attgatgaga tgaa 264

<210> 14232
 <211> 92
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: 700964583H1
 <400> 14232

ctttccctaa cctccttctt cttcactact aatcttcaca accatatcat ccccaaaaca 60
 aatgaaaatc cacgtatttn gaagatccga cg 92

<210> 14233
 <211> 240
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700964550H1
 <400> 14233

aaaaaacttg tcttttaagt tttaactcta agccatggct cttccctgt tctcctctg 60

cttcatgctc tgcatttcac tcacacacca aacgattctg ttacccctaa cacactcaat 120
 ttcgaaaacc catttcaaca gtaccacacca gcttctcaaa tctacctcca ctggtcagc 180
 ctcacgcttc caccgcaaaa ctcatcataa ctccgtagtc tctctccacac tttcttcagg 240

<210> 14234
 <211> 241
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700964551H1

<400> 14234

gcagcgcatt atagcacacc acacaaaaaa gcaaacaga gagaacaact gttactcaca 60
 cagccatgg gtaaataaat ggtttttgag caacagcagt taaaagagaa aagggattca 120
 gcgaagatga catcggttgg tgtggcacca acttcgggtt tgagagaagc cagtgggcat 180
 ggagcagcag ctgcggatag attgccagag gagatgaacg atatgaaaat tagggatgat 240
 a 241

<210> 14235
 <211> 235
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700964555H1

<400> 14235

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 aatcagagtt acatttgatt atatataagg taaaaattga aatattattt tgttgcagct 120
 tcttcgcaca aagtatagtt gcgccaatt atccaattgt actagtagaa ctgaaaggat 180
 tcttaaagaa agtgaagtc aaggaatttt attgtacgac tttgtgattg tgagc 235

<210> 14236
 <211> 238
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700964556H1

<400> 14236

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atgctcggtg gaaaaagctg gaaagggacc tgtataacga acgcaaggag cgctttgaca 120
tcacccaaat tcctgatgtc tatgattcat gcaaatatga tctcttgcac aatgcccac 180
ttaatctaga aggattggat gagcttttca aggttgctca ggcacttgct gatgggtgt 238

<210> 14237
<211> 239
<212> DNA
<213> Glycine max

<223> Clone ID: 700964557H1

<400> 14237

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ctctctctct ctctctcttc acagtgccaa tggcggatcc aatcgcgag gttctgatcg 120
cgtttgcgct cttagcttcc ctcttgctgt gttegcacgc ttccctccgac gttcccttca 180
tcgttgctca caagaaggcc tccctcaaca gactcaagtc cggcgccgaa agggctctcc 239

<210> 14238
<211> 235
<212> DNA
<213> Glycine max

<223> Clone ID: 700964558H1

<400> 14238

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aaggggcgaa agagtagatt ataagggggt aagtgagaaa gagagtaaaa acaaaattaa 120
aacatgacta tggaagaggg cagggtcgag aacgaggact acacacaaga tgggtactgtc 180
aacattaaag ggaaacctat tcttagatcc aaaagtgggt gttggaaagc ttgct 235

<210> 14239
<211> 239
<212> DNA
<213> Glycine max

<223> Clone ID: 700964559H1

<400> 14239

[illegible]

<400> 14240

<400> 14241

<223> Clone ID: 700964563H1

<400> 14242

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aaattcacct cagctagaga gaattacctc acttgacaca gattctggca agattaaatg 120

tattctatgg tggccatctg gaagacatga taaattgatc agcatcaatg aggaaaacct 180

gtacttgtgg aatttagacg tttcacagaa aattgcaactg gtacaatcgc aagattccgc 240

tggtatgc 248

<210> 14243

<211> 245

<212> DNA

<213> Glycine max

<223> Clone ID: 700964565H1

<400> 14243

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ttctcctcat tcatgatcat gtcagtgtca ggagcaagct acatgttttag tctttactca 120

agggatatca agtcagtttt ggggtatgac caatccaccc tcaatttctt aagcttcttc 180

aaagacttgg ggtccaacat aggcattcatt tcaggcctaa tcaacgaggt aacaccccct 240

tgggt 245

<210> 14244

<211> 243

<212> DNA

<213> Glycine max

<223> Clone ID: 700964566H1

<400> 14244

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ggtggtgaag aaggaagagt ctctcaacct gaaagtcact aacaagagcc atgttcaatc 120

agaggagaaa attggaagaa aagagtacca attggtcact tttgatcttc cctacttggc 180

cttttactac aaccagaagc tcttgtttta caagggtgaa gatttcgagg gcatggtcca 240

aaa 243

<210> 14245

<211> 240
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700964567H1

<400> 14245

cctagtaatg ccgccgatgg ggaggaagcg aaaggttagca cccaaatctt ctctatccac 60
 cgagccacct ctcaagcagc aacaacccaaa acccgaaaat cccctcaag aatacgaaga 120
 agtcgaagag gaagttgagg aacaagaggt agaggaagag gtcgaagagg aagaagaagt 180
 agaagaggtg gacgaagaag aacatgacga ggtagaagaa gaggaagaag atgacgacgt 240

<210> 14246
 <211> 237
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700964568H1

<400> 14246

gccgaaaata gaatctgaaa ttcaagaaga ggggtggatca gaggcaaacc cacttaacaa 60
 aaatgatcat gtagatggat atgtaagaga gaaggacatg gaaaaggcac ttgaacacca 120
 ggcccaactt attgaccaat atgaagcaat ggagaaggct caaagagact gggaggagaa 180
 atttagagag aataacagca caacaccaga ttcgtgtgat ccggggaatc tctcaga 237

<210> 14247
 <211> 235
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700964570H1

<400> 14247

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 ctggccgttg aaaatgacgc ttctctcacc caacacgaca agaccgaaa acgtcaatag 120
 cttttgactg gataggctcc cgcatacgac gacgacgacg acgaacaaga gaataaatca 180
 tccttatcgg atattctctc cagatctctc aactgatcca tctgtatcca gttac 235

<210> 14248

<211> 234
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700964571H1

<400> 14248

tgtttataaa ggagttccaa aggattacac cggcgaagat gttactgttg ataacttttt 60
 tgctgcttta cttggaaata agtcagcact gactgggtggc agtgggaagg ttgtggacag 120
 tggctctgat gatcatatat ttgtatacta tactgaccat ggaggtcctg ggggtgctcgg 180
 gatgctgct ggtccttact tatacgcgga tgatctgatt gaagtcttga agaa 234

<210> 14249
 <211> 225
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700964572H1

<400> 14249

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 tgaggcgctg ggataccgga atggtagtgt atgacgaaag cggcctcgaa ggaggtacgc 120
 gattcagatt gcgataacac ttcacgcgac ctacctagga ggctcgtctc ctcgatgttc 180
 tctgcgctac agcggcggtca cgttcggaga acgtcgtgat acact 225

<210> 14250
 <211> 236
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700964573H1

<400> 14250

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 cgcagaacct ctctcgaaga aaaccttctt cttcttcgtc ttctgtttct caacaaacac 120
 ccgggtcgac ccggatcggt taccgagaat ctcggatccc atcggaatcc gatttcccga 180
 tctggcagca gaactggttc atcgattgc tcttcgtcat ggctctcgga ttcttc 236

<210> 14251

<211> 238
<212> DNA
<213> Glycine max

<223> Clone ID: 700964574H1

<400> 14251

gtagttcttc atcatagtct taaacattaa accttagcaa aactcaacaa tgctagacat 60
caaaggctac ctgcgtactct tcttcctatg gttcatatca accattctga tacgttccat 120
cttcaagaaa ccacagcgtc taagactccc accgggtcct ccaatttcaa tacccttgct 180
gggacacgcg ccatatctcc gttcactgct ccaccaagca ttgtacaagc tatcactg 238

<210> 14252
<211> 237
<212> DNA
<213> Glycine max

<223> Clone ID: 700964575H1

<400> 14252

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cctatgttgc tgagttctct gacctgggtcc tgcattggtg tgcagttgat cccattgagc 120
atgtggccaa gtgtgacagt gccctaggtt ctgaagaagt tccctctggt gtcaccaag 180
tacaaataac caaaatgaga aacttcaggt tgaggcacat gacatattct tactgct 237

<210> 14253
<211> 238
<212> DNA
<213> Glycine max

<223> Clone ID: 700964576H1

<400> 14253

gcagcttga gatctgaaca aactcatgca tctggaaatt atgggactcc tcaaggtaat 60
ggtgggcaag ttggttatgg tggttgctat gggggtgctc agtctcgaca agcccaacag 120
cagtaatttt ggtagatgaa tctcttgctg gatcttaaac ttcaacttga ggatccctgg 180
cttttaaaag tcttaaatca tgaggtcaca atgaattctt ccagcagcaa tggagtgg 238

<210> 14254

<211> 242
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700964577H1

<400> 14254

ggctaattctc tcactcttgt tcttcgggtct cctcctattc tccgctgccg tagccaccgt 60
 cgaacgaatc gacgatgaag acaaccttct gatccgtcaa gtggtgccgg acgcggagga 120
 ccaccacctg ctcaacgcgg agcaccactt ctccgccttc aagacaaagt tgcgcaagac 180
 ctacgccacg caggaggagc acgaccaccg ctcccgatc ttcaagaaca acttgctccg 240
 cg 242

<210> 14255
 <211> 244
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700964578H1

<400> 14255

caccgctcgc tttcttaact agagccctct ccgttgaggg tttctccagg tgtgggttga 60
 tttacagttt ctgatgctga agaaataaaa aagcttgaag gcttttgctc ttctgtgtga 120
 aaaatggttg aaagtgggtgc gaaattccca ggaataatag atctcaacag aaataataac 180
 aactactatg atttctctca aggcttttac cataagcttg gggagggtac caatatgtca 240
 attg 244

<210> 14256
 <211> 247
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700964580H1

<400> 14256

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 cctgtttctg cgtttcaact tcttcctttc aggagcaatt tgcagccgag ccaggaaagc 120
 gaggagcatt attctgaatc gaagattaaa gaggttaagg atgcaatcga gcccttatct 180

ttttgacctg agttaatgat cattaatgct gttttgaaat tctacttttc cattactttt 60
 cttgattagt tattcctctt tatgcagctt ctttactcct tgggatgaat gatgttagat 120
 ctgacagggc aagaaggcaa agatcagata gccctttctc ctttcctcgc caaaaacggt 180
 cagtaaggcc ccgcttgtag ctttccattg attcagattc agagtaaagg tcatacc 237

<210> 14260
 <211> 156
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700964510H1

<400> 14260

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 tcacttcaag ggcaagtacc atgatgagct tatcgccaat gctgcgtaca ttggcactcc 120
 tggaaagggg attcttgctg ctgatgacgt caacag 156

<210> 14261
 <211> 240
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700964511H1

<400> 14261

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 ctataagggt ttgggtacaa gtactcctca ggaagggaga gagtactttc aagatcttga 120
 taagcataag aaagactttg tttgggatga tgagcaagat ggaggtgcaa ttgagatggc 180
 attcagtaag aaaaaagctg aggataggaa gatctggatt cgtaattttg agcctggcac 240

<210> 14262
 <211> 242
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700964512H1

<400> 14262

gagctaaact catatgtggc attgagaaaa acgtacatga ataccattgg aaataaaaaa 60

cttgaacttt ttgacaatgg agcaggagca agtgtatcta cagctgaaga aaatgttcaa 120
 ctggcatcag aaatgtcaaa tcaagaactt atcaatgctg ggacgaagac aatggatgaa 180
 actgatcagg ctattgagag atctaagcag gttgtacatc aaacaattga agttggcacc 240
 ca 242

<210> 14263
 <211> 239
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700964515H1

<400> 14263

catatataaa ~~cttgaacttt~~ cgcacgtagc tagctacaga agacaaaggg gccttgagtc 60
 tcgagatctt gtcagatcgg aacgcaaccg ccaccgagtc cgttttgttt gtgggtgtcg 120
 tgcgcgagat taattcattg gcgtcaacta gcttggggcca caagatgctt tcaagcgtaa 180
 tgggaagggg agttactggc atacagggtta tggaaaagaa gccaaatggg gccataggg 239

<210> 14264
 <211> 249
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700964517H1

<400> 14264

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 gtaacgagcc agaaagattg atgccatgga gaaataatga caagccagca gaaagttttc 120
 aacctcgtgg caccgataat ggggtcaagtc catcaccaac aattcctggg agtaccaga 180
 atgtagaatc tggcttgagc acagcaacta cctccaagac aatggatcat caggctggaa 240
 aaatgaaca 249

<210> 14265
 <211> 244
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700964518H1

<400> 14265

cctaagaacc ctttctggtt caaccgcgat cgcttcgttc tctctgctgg gcacgggtgc 60

atgcttcagt acgcgcttct gcacctcgct gggttcgata gcgtaagga agaggatttg 120

aggggaatttc gccaatgggg gagcagaact ccgggacacc ctgagaattt tgagactccg 180

ggaattgaag ttacaacagg tcctcttggt caggggattg ccaatgctgt tggtttggcc 240

cttg 244

<210> 14266

<211> 149

<212> DNA

<213> Glycine max

<223> Clone ID: 700964520H1

<400> 14266

cttttcgggc actcacactg ttgtcaattc aatcgttcat gctcgattg cattttcgcc 60

ttgctttcgt ctgcttccat cgtgctaaca tagggttgct tctcttctct ctgtactctg 120

gtcgagcctg tcggcatgtc gagcgctgg 149

<210> 14267

<211> 240

<212> DNA

<213> Glycine max

<223> Clone ID: 700964521H1

<400> 14267

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cttgtgttcc ctctctgga gttctgcag gagcggcagc tctacgacga cgaccacatc 180

ctgaaggcga agatcgacct tctcaacaac accaacaatgg ttgactacgc tatggacatc 240

<210> 14268

<211> 239

<212> DNA

<213> Glycine max

<223> Clone ID: 700964523H1

<400> 14268

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 ctgatcgagt gagtatcaga atcaattcaa ttttgagcta gtcatagaaga tccactgcga 120
 cgtgtgtaac aagcaccagg cctctttctt ctgcaccgcc gacgaagctg ccctatgcga 180
 cggctgcgac caccgcgtcc accacgcca caagctcgcc tccaaacacc aacgcttct 239

<210> 14269

<211> 242

<212> DNA

<213> Glycine max

<223> Clone ID: 700964524H1

<400> 14269

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 tcggcgataa aatggccggt taatgtgttg aagggtggca aggaagcagt cgtagagcgc 180
 gtctgtatcg acttcacga ttacgtcgat tataccacgt cctaattggc cagctgataa 240
 ga 242

<210> 14270

<211> 241

<212> DNA

<213> Glycine max

<223> Clone ID: 700964525H1

<400> 14270

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 gcaatttcct tgcactcgtt gccattttat tcccagttat cggaaagctt ccttatgggc 180
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 t 241

<210> 14271

<211> 239

<212> DNA

<213> Glycine max
 <223> Clone ID: 700964526H1
 <400> 14271
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 ttctcgtgtc gttcgaagtg tttcagaatg ttttatcaaa ccgttgggcc aagctacaga 120
 gtcacaccta atatgtcatt taacaccatg ggatattgct atgatgtctt tgcactacat 180
 ccagaaagggt ctactcttca agaagcctgc aacacttggt gatccacaag atttcatgg 239

<210> 14272
 <211> 240
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700964527H1
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 tccggatctg acgaaaacga cgtcgtgggc atcggcgggc gtcccggcgg ctacgtggcg 180
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<210> 14273
 <211> 243
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700964528H1
 <400> 14273
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 cagtgtcttc gatctccatc tgcaacttcc ttgtctgaca gatcctgtgt tccggagaaa 120
 ggaaaggaaa ggaaagatgt cggggcaaac gcagcgtctg aacgtgggtcc ccaccgtgac 180
 gatgctggga gtggtgaagg cccgattggt cggcgccacg cgcgccacg cctacctgaa 240
 gaa 243

<210> 14274

<211> 236
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700964529H1

 <400> 14274

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 gaaataacaa gggaggaaat ccaaactgcc atagccaaag cagtggaatt aagggccctt 120
 catactgcat taacacaagg aagtagtcca ggcacaaaca atgctagatt tccgtcacct 180
 tccccggctt ctcacttctc tgcccaagac taccctgttt tcacagcaag ttatga 236

<210> 14275
 <211> 244
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700964530H1

 <400> 14275

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 tattacaaag aagaagaaat gctcgattaa ctcgtaaatc acattctttt ttaaaatttt 120
 tcatgaaaag gatatacaga gatatatctc tatatatcag ttgtattccg aggatcaata 180
 tacaactttt tcttgaatta acaaaaaatt tttaaataaa tccatttacg ataatgaagc 240
 aaat 244

<210> 14276
 <211> 245
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700964531H1

 <400> 14276

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 tactccgcct cgcaaggac ctcgccgaga acaacaaggg tgcgagggtg ctcgttgtct 180
 gctccgagat aaccgccgtg acgttccgcg gccctcggga cagcacctc gactcgctcg 240

tgga

245

<210> 14277

<211> 246

<212> DNA

<213> Glycine max

<223> Clone ID: 700964533H1

<400> 14277

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aaaagatgcc aataacttca agggtcattc aggagactct aagagttgct tcaattttgt 120

cttttacttt cagagaagca gtagaggatg ttgaatacca agggatatctt attccaaaag 180

gggtggaaagt gctacctcta ttttaggaaca tacaccacag tccagacaac ttcaaggagc 240

cagaaa 246

<210> 14278

<211> 236

<212> DNA

<213> Glycine max

<223> Clone ID: 700964534H1

<400> 14278

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ttgtttgcaa aacatgtttt cttttttgtt tacctgagtg aaggaagaca tagacatacc 120

tagttgttat tgctgttttt tgttgttatt gttattgaat ttagatggag ccttcactcc 180

tactttcttc accttcatca tccaccctt taccgtctt cctctcaaac acactt 236

<210> 14279

<211> 238

<212> DNA

<213> Glycine max

<223> Clone ID: 700964536H1

<400> 14279

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aggaaatggt tcacatcagt attgtgggtca ttggccatgt cgactctggg acatccacta 120

ccactgggtca cctgatttac aagcttgcag gcattgacaa gcgcgttatt gagagggttg 180
acaaggtagc tgctgagatg agcatgaggt ctttcaagta tgctgggtg ctggacaa 238

<210> 14280
<211> 238
<212> DNA
<213> Glycine max

<223> Clone ID: 700964537H1

<400> 14280

ttctgaattg cactgacccg agtcccatg ctttgttag agataacaaa tgcgcaacta 60
tccttcggtt attcactgac aatcccaatg ccacaccatc atgctaattg aggagggtct 120
tggatttctt tccgcagcct tagaattaga aacttgaatg tcattaaggc tgtagccacc 180
ttggatgcta aacctcgctt ggatttggat gcacctcacc cgcctggctt tttgctcg 238

<210> 14281
<211> 238
<212> DNA
<213> Glycine max

<223> Clone ID: 700964538H1

<400> 14281

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aacatgggaa aagactcaaa gccaaaggag tcgggaggca agggaaaggg gaaacaggct 120
gcaagtggaa gtgatgagaa tgcttctaag ggaaaaggaa aagggtggaa aggtggagat 180
gggcttggtt cttgcacctt tgtcaaagct aggcataatcc tatgtgagaa acaaggta 238

<210> 14282
<211> 236
<212> DNA
<213> Glycine max

<223> Clone ID: 700964539H1

<400> 14282

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attcataggt tacgttgttt tgggacaata cccaaaattc cttttctatt gctactttcc 120

ctgctttctct tcagtttctgt taacgcatcc ttcgacctcg ctactatacc cttcaacgac 180
ggctattctc cgctcttcgg agctagcaac gttgttcgct ccgaggatgg atacgg 236

<210> 14283
<211> 229
<212> DNA
<213> Glycine max

<223> Clone ID: 700964542H1

<400> 14283

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cttggaaattt gtagtgcaga ggtgctgcct ttacactac cagggtttgt ggattgtagt 120
gtctgcgggtt atgcgctgcg ggttctgcga ctagtgttaa cgatgatcgt cactgcgctc 180
atcactgcga tacttgcggg actttgcatt ggcccaatca acggcaggc 229

<210> 14284
<211> 203
<212> DNA
<213> Glycine max

<223> Clone ID: 700964545H1

<400> 14284

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cacttaatag cttgtagatt tcaaaggcta ttcatatct gtatattatg ctatatctat 120
acaggtatgc aacatactct gcaatgcatt atagtgtcag actggaattt cagcaagtat 180
ttactcacia aacgatctcg tta 203

<210> 14285
<211> 243
<212> DNA
<213> Glycine max

<223> Clone ID: 700964546H1

<400> 14285

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gacgaacgcc cttctgcgaa aaggtggctt cctctcgaag ctaaccctga cgtcatgaac 120

cagttccttt ggggtcttgg ccttccagtg gatgaggcag agtgcggtga tgtgtttggc 180
 ttagatgaag agcttctgga aatgggtccc aagccagttc tcgccgtgct ttttctttat 240
 cca 243

<210> 14286
 <211> 239
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700964509H1
 <400> 14286

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 aattcaaaaa cagacaatca aattaattgt attaacatcc aggtagagag cggataataa 120
 ctatctgcaa taaatttttag aatccttaca ttttgtgcag cttggtatga taactgttcg 180
 tactaaacta ctaattatca tcatcctttt gttttactct tttcattttg ttccgtgag 239

<210> 14287
 <211> 247
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700964467H1
 <400> 14287

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 tatcattcac aatacagtag tgctagtga tcaggttgga ctcattatct ggaccaatcc 120
 tctcttcctg aaaattacta ccagaggaga ggtggtgttg tggagtgtga tgaaggaaaa 180
 ggagcaagaa tggaagagta ctctgaggaa gatattgtcca tgggtctctga tgcttcttct 240
 ggacctc 247

<210> 14288
 <211> 239
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700964468H1
 <400> 14288

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gacattgaag gttgaaaatt tggggacatc tcctgcttca gaagtacata ttgccttttc 120
gcccaactgaa gtaggacatc tagcaataat caaagctgct gcaacttctg ggaagaggga 180
gaaggaaact tatggtcctc tagatgtcag atctgctgag ctacctgatg gaccaaatg 239

<210> 14289
<211> 244
<212> DNA
<213> Glycine max

<223> Clone ID: 700964469H1

<400> 14289

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tgggttaatc ttcggttacg atatcggaat ttcaggtggg gtgacatcca tggatccggt 120
atctgctcaa gtttttcccg tcggtgttcc ggaagaagaa ttccgacaaa acggtgaacc 180
agtactgtca atacgacagc cagacactga cgatgttcac gtcgtcgctg tatctcgccg 240
cggt 244

<210> 14290
<211> 243
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700964471H1

<400> 14290

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ttttcaaaat gcgtgagatc cttcacatcc aggggtggcca atgcgggaac cagatcggcg 120
ccaagttctg ggaggtgggt tgcgcggagc acgggatcga ccccaactgga aggtacggtg 180
gggactcaga gcttcagctc gagaggatca atgctacta caacgaagcc agctgcggcc 240
ggt 243

<210> 14291
<211> 240
<212> DNA
<213> Glycine max

<223> Clone ID: 700964473H1

<400> 14291

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 cttggctatc accttctcct tgttgagccc tcaaaccctg ttttctccgc ctgagattcc 120
 gggctcgaag gaccaccttc acgctgctcg gttactccat gtcaccggag ccgctggggcc 180
 ggagagtctt gtcttcgacg ctgacggcgg agggccctac accggcgtcg ccgatggccg 240

<210> 14292

<211> 235

<212> DNA

<213> Glycine max

<223> Clone ID: 700964474H1

<400> 14292

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 caacactcac ctttgccata tacagaacaa tcataaattt tctgaaatga gccagcgtgt 120
 cccaactgc gatgtggacg acaataacaa cattcccaca accacaaaaa tccctcttct 180
 tccaatttc aatttcatat cccatgaagt tcctatgttg ggctaccaag ctgct 235

<210> 14293

<211> 240

<212> DNA

<213> Glycine max

<223> Clone ID: 700964477H1

<400> 14293

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 accaaatggg agaggaaaaa gagcagccta agaataaac cgagaagaag cccgaggagg 120
 ccgccgcagc cccaagaaa gacgacggac ccatccctgt cgtttacaaa ctgcacttgc 180
 attgagggg atgctgaag aagatcaaac gcacatgtcg ccacttccaa ggtgtggaaa 240

<210> 14294

<211> 243

<212> DNA

<213> Glycine max

<223> Clone ID: 700964479H1

<400> 14294

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agtgcctctt acttgttcct ctgcgaatgt gacaaacacc aaccaacgag gattcgaaat 120
cacagaggca aaggaagatc tcacaatgtt caatgttatc ggtatctcga tgttgacgat 180
ggattcggtg gcgtacaggg gattgctcta cacattcttc atactcaatt ttgtattggt 240
ctg 243

<210> 14295

<211> 247

<212> DNA

<213> Glycine max

<223> Clone ID: 700964480H1

<400> 14295

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aatttgctt taaatataag agaaatgata gtcacgtgt aactgttaaa tgcaaggcag 120
aaggttgtcc ttggagaata catgcatcaa ggctgtcaac tactcagttg atatgtatca 180
agaaaatgaa ttcaactcat aactgtgaag gggcttttgc aacaacaggg catcaagcaa 240
ctaggag 247

<210> 14296

<211> 243

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700964481H1

<400> 14296

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atctgctttt cctatcggcc tcagcagacg acgtcgttgt gctctctgaa gataacttcg 120
aggaggaagt tggtcaggac agaggagctc tcgttgagtt ctatgctcct tgggtgtggac 180
actgcaaaaa gcttgctcca gaatatgaaa agcttggtag cagcttcaag aaagccanat 240

ctg

243

<210> 14297
<211> 245
<212> DNA
<213> Glycine max

<223> Clone ID: 700964483H1

<400> 14297

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ctgaagaacg tcgcacgcac cacccttctc tctcttcaac aactcagctc tcagaacaga 120
tacagtttcc actgagtaaa tcgcaatgca ggtaactgag acgaggactg ttcaagttaa 180
gcagctttca gatctagctg gtgtgagaga gattcacgag ttcttctcct tttctggaga 240
aatcg 245

<210> 14298
<211> 241
<212> DNA
<213> Glycine max

<223> Clone ID: 700964484H1

<400> 14298

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gaattttaat acttaggaag tttagttttc tctcttggtt tctccggttg gagtttccgg 120
cgaccttgtc ggagattttg ttgtttatct ttacaccac ttgtgaaact tctcaagaaa 180
aagaaaaagg atgtttcttg ttgattggtt ctatggaatt ttggcgaccc ttggcctgtg 240
g 241

<210> 14299
<211> 243
<212> DNA
<213> Glycine max

<223> Clone ID: 700964485H1

<400> 14299

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cgccaagcta cgcgcgtgct tttcctctct cggacccgcc gccgccgccg acatcgtcgt 120
ctctectecg cgcgagctcc cgcggttcga tcaccagccg cacccttaca acggtccttt 180
cgcgatgaa gtctcgcga agcgcaaac gtctcgcgt ccttcggtct tccactacta 240
taa 243

<210> 14300
<211> 239
<212> DNA
<213> Glycine max
<223> Clone ID: 700964487H1
<400> 14300

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tgaggttcga gtggtggtcg cggcgaccg ctccaccgga aaatcgagcc tgatagccgc 120
catagcgacg gagtcattcg cggaggcgt tccgccggtc cttccgcccc ccctcctggc 180
ccctgatttg taccocgaca cgttctctct caccgtcgtt gacacacctt ccagcttgg 239

<210> 14301
<211> 66
<212> DNA
<213> Glycine max
<223> Clone ID: 700964489H1
<400> 14301

gaacaaacta tattatgcca tgccggtgct tttacgagaa acttactaag ccttccttga 60
ccagtt 66

<210> 14302
<211> 179
<212> DNA
<213> Glycine max
<223> Clone ID: 700964491H1
<400> 14302

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gtgcatttgt tccattccaa tttcgaactt cccatgtaca atatccacct agcatagcta 120

taacatacac atcatttatg catcagcaac atcattcaca tatctatata caagatcga 179

<210> 14303
 <211> 239
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700964492H1

<400> 14303

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 ctccgattac cgcacaacac cgtatcgccg ttcaggggtt ctctgctcct ctttggtatct 120
 tcttcccttc gcgtcggtcg ctttgattcg ttaatttttt ttcttgcttc tctgtgtctg 180
 gctcgagatc cgggccaagc acagaagaat ccgattctga tttgcatttc gtactcact 239

<210> 14304
 <211> 242
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700964493H1

<400> 14304

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 cacgtaacag cctcaacctc aacctccaaa ctacttcat ttttgccgc aaaaaacca 120
 aatcaccttc tcaacgatgc aagtttcac ctcattgttc ggaacaatag tactttccaa 180
 ccgctactca cgcaaccgct ccttccctct ggaaccgtgt tccaccacaa ccacatcatc 240
 gg 242

<210> 14305
 <211> 243
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700964494H1

<400> 14305

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 tgatggaact tatgttattc ttaccattc cgtgtttcac aagaagtgcc ctccccagaa 120

aggctatgtg cgtgcttgtc ttaaaagtgg agcgtatggt atatcaccag tgaacaaagg 180
aaagcaatca gttgtaaagc atatgcttgc tattgattgg aaatgctgga gatcatatct 240
taa 243

<210> 14306
<211> 247
<212> DNA
<213> Glycine max
<223> Clone ID: 700964496H1
<400> 14306

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ggttgggtgt gtgctttcct tttggagctt tattgttctg tggaggtaat tgatgcaagt 120
gctggtgatg ctgatccgcg ctataggggt tgtataacac agtgtcagga aactggatgc 180
gttgcgcaaa gatgctttcc aaactgtaaa ttttcttctg atggagaatt tattgatcgc 240
ccatggt 247

<210> 14307
<211> 253
<212> DNA
<213> Glycine max
<223> Clone ID: 700964501H1
<400> 14307

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tttgccctc atgcactacc attaacatta cctctctttt ttttctccc tcacgaacct 120
tcattttctc tcccgccatg gatccttgcc ctttcgtgag gctcacagtc ggcaacctcg 180
ccctcaaaat tcccgttgct tctaaacccg cgctctccgt tggttcactct tcttcttctc 240
cttgtttctg caa 253

<210> 14308
<211> 243
<212> DNA
<213> Glycine max
<223> Clone ID: 700964503H1

<400> 14308

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taatgaatgc tgtgattgca gaggctgatg ctgggggttc tccttcactt gtagctcgag 120

gcctctcccc tgctcaagct actgtgggat ctgaacaaat tcagatacaa gttccaaatg 180

aaaaggttgg attaatacata gggagcagtg gggagacaat taaaagcctg cagaccaaatt 240

ccg 243

<210> 14309

<211> 241

<212> DNA

<213> Glycine max

<223> Clone ID: 700964504H1

<400> 14309

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ggattgagtg gggggcgtga aaaatggctg ccaggagtga tcaccaaacg gttcctcttt 120

cagttctcct gaggcgtgaa ttggcgaacg agaaaattga gaaacctgag attgctcatg 180

gtcaagcatg ccagagcaag aaaggggagg atttaacact gctcaagacg gaatgccaga 240

g 241

<210> 14310

<211> 239

<212> DNA

<213> Glycine max

<223> Clone ID: 700964505H1

<400> 14310

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ttgacaactt gttgggtgctt ctcatggag gaatcccaat tgccatgccca actgtgctgt 180

ctgttaccat ggctattggg tctcaccgct tgtcccaaca aggagccatc acgaagagg 239

<210> 14311

<211> 239

<212> DNA

<213> Glycine max

<223> Clone ID: 700964507H1

<400> 14311

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gggcatggca atttttccat aaaaattcgt tttttatttc ctctcttttt ttaatttttt 180
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<210> 14312

<211> 254

<212> DNA

<213> Glycine max

<223> Clone ID: 700964465H1

<400> 14312

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tcgtcatatg ccaaaaagct tcccacttta aagttaacca taaagaataa ctctctgtga 120
aagaaaaaaa gcagcaacca aattgatctt cggctctgggc tgcaattgaa atgctgaagc 180
tctacgaggc ttataagtga acccttggtc gttcatgaca tacaggcaat tcagaatttg 240
tcgctacttg ctaa 254

<210> 14313

<211> 217

<212> DNA

<213> Glycine max

<223> Clone ID: 700964508H1

<400> 14313

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caggagagag agaaaactat gatatttaac acattgcagt ttgatagaag gtggattgaa 120
gaatatacac cttaattgat ttttctctct cctgtaatta agttactgtt gaagttgaaa 180
tgctgataag gatgtgcaat tcacattttt gtacaat 217

<210> 14314

<211> 253
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700964434H1

 <400> 14314

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 ggaaagagat tgtttggtg tgagttagta tagctggaaa aggcgagggg cctgctatcg 120
 gaatcgattt gggaacgacg tactcttgcg tcggcgtgtg gcaacacgat cgtggtgaaa 180
 tcatagccaa cgatcagggg aacagaacta cccatccta cgtggctttc accgacacag 240
 agaggttgat cgg 253

<210> 14315
 <211> 251
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700964435H1

 <400> 14315

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 tctcaatttt cagatatgtc gacatctgat aagccagaag tgggtggaaa gggtagcaag 120
 gatgaaaaac acaaggaaga tgatcaagag gaggggaagg gtggattcat tgagaagggtg 180
 aaggatttca ttcatgacat tgggtgagaag attgaggaag ctattggggtt tgggaagcca 240
 actgctgacg t 251

<210> 14316
 <211> 249
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700964437H1

 <400> 14316

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 accacctcca ccatcttcac cgatcatatt ctcctccttg caatattatt cactctcaca 120
 cccactagg ccaactgtgc cacgtgtcac cctgaggaag aagcgggcct gttgggcttc 180

aaatccggta tccgatccga cccgtccggc ctgctcagta actggatatac gggtagcgac 240
tgctgcaca 249

<210> 14317
<211> 245
<212> DNA
<213> Glycine max

<223> Clone ID: 700964438H1

<400> 14317

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ttctatgtgg ttgcttgcag gttatcatac agaagttagg atcatctgaa ccaacaaagt 120
atcatttcat gcagtatgct gaccaaataa tgggtttatt tttgagagtg tttgcttctc 180
gaagtgaac agctcatgag gaggttatgc ttgccattgg agctttggcc tatgcaactg 240
gtgct 245

<210> 14318
<211> 247
<212> DNA
<213> Glycine max

<223> Clone ID: 700964440H1

<400> 14318

gccatttcaa tccccagttt cttcttcaac gtctcttac gagcagatcc caattctcct 60
tcccagtttc aaaccctaata tccctcattc ccatggcctc agaagagccc actgtcgcg 120
tggaacccgc tcccgaacct gccaccgccc agcctcccc ggaggagaag gaggagccca 180
aacctgaagc caaggctaag aaaaccaagg aacccaaacc taaaaagggt tccagaccac 240
gcaacc 247

<210> 14319
<211> 246
<212> DNA
<213> Glycine max

<223> Clone ID: 700964441H1

<400> 14319

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 gaagatgtca ccgacgaact caatttccat gttcatttgt cattagaaaa ctccacaagg 180
 aggggaactaa ggcaaaggaa gggtagatca ggaaaaaaat gtgttgccag caaccctatt 240
 gacact 246

<210> 14320
 <211> 242
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700964442H1

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 gctccattgt ccgattcgaa agcttcggcg gaggcgaacg taatagtggc cccgagctac 180
 tctcgttggc tctcggtgga ttcgattgac gaatgcgagg tgcgtcacct ccccgagttc 240
 tt 242

<210> 14321
 <211> 240
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700964443H1

<400> 14321
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 gttcaacatg ttaactcttt caccctgtca gggaaaggag tttgtgatgg tcaaggacca 120
 actgcttgga gacaaaatga ttgtacaaca aacaagaact gcacgatact ttgcatgaat 180
 atcggtttta atttctcaa taattcaatt gtccgtgacc ttacttccaa ggatagcaaa 240

<210> 14322
 <211> 244
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700964444H1

<400> 14322

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acttccttac cagcaacgag atacacaacg gagagcgcg aaacgatcat ggaggggaata 120
aacacaacca tccagtaata atcagcaatc tcttggtccg taagataaaa agcgccaggg 180
aacagatccg aatcgggacc acctttcata cctaactgta tggattgaag ccttcgatcg 240
acgc 244

<210> 14323

<211> 246

<212> DNA

<213> Glycine max

<223> Clone ID: 700964445H1

<400> 14323

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tacatcaaat ccaaggaagc tcctgcaaag gatgttctta aggatcttgt ggagatgtgc 120
cgtggcattc agcaccctgt tcgcggtactc tttctcagaa gttacctttc tcaagttagc 180
agggacaaat tgccagatat tggttcagag tacgaagggg atgcagatac tgtagcagat 240
gctgta 246

<210> 14324

<211> 246

<212> DNA

<213> Glycine max

<223> Clone ID: 700964446H1

<400> 14324

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tggttaagatc tgccaagagg tcaatggtgg atgagctgga agcaatgctt gatgtggtag 120
atccccagcc tgggtggaaga tcagcatcac tctcctcctt caaaagaagg acatttgata 180
tgcctgatgg agtcatccgg aaggaaattg aagaaggggt tgcacagggt gtgcaaattgc 240
ttgaag 246

<210> 14325
 <211> 252
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700964449H1

 <400> 14325

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 gaccgaattg ctcttggttt agcttcccaa tttgactcac cttattcagt tccaactatc 120
 gcaccacgtc ctttgcttat tgtaaatggt aagacccttg tatatattgt acattaaaca 180
 ttttcaaaat gaatcaggct atcttattca tataacaagg catatattga caattcaggt 240
 aaccactctg ct 252

<210> 14326
 <211> 248
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700964450H1

 <400> 14326

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 acaaaaattc ccgacgaaat ataacattct gaaggccatg aggtgggctaa ttgagggtag 120
 ccagtcgggg gattcattgg tgttccagtt ctcaggacat ggttgtcagg aactggatac 180
 gaatggggat ttcgatgagc ttgatgagcg tgacgaagca atatgtccgg ttgattggga 240
 aaagcagg 248

<210> 14327
 <211> 250
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700964451H1

 <400> 14327

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 gatcaagttt tgtaaagag atttttacaa tgggatatcc aaagctttac tccatgatag 120

agaatctact tgaaagaatt tcacatgaca cagatatcaa aggagtgtta acagctatca 180
 atttgtctgg aaaagagcag ataatttcag ctgtcgaaat attccagaat gcatttttgg 240
 ctcattgctt 250

<210> 14328
 <211> 247
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700964453H1

<400> 14328

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 tcctatcccc gaacccgaca aaacctgaca ttgctccgga tcccggagac agccgcaggt 180
 tcctccacaa gagggcctcc gtgctccgc cgagctccg cccgccgctg cccgccggca 240
 gcctcct 247

<210> 14329
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 <212> DNA
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<223> Clone ID: 700964454H1

<400> 14329

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 attgacaaag ccgaagttct ctctgccgtt cagaagtatg agaagtatca tgtttgctat 180
 ggaggtcaag aggcagagag aaaagctaata tataccgata tggttaataa atactatgat 240
 cttgttac 248

<210> 14330
 <211> 244
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700964455H1